

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

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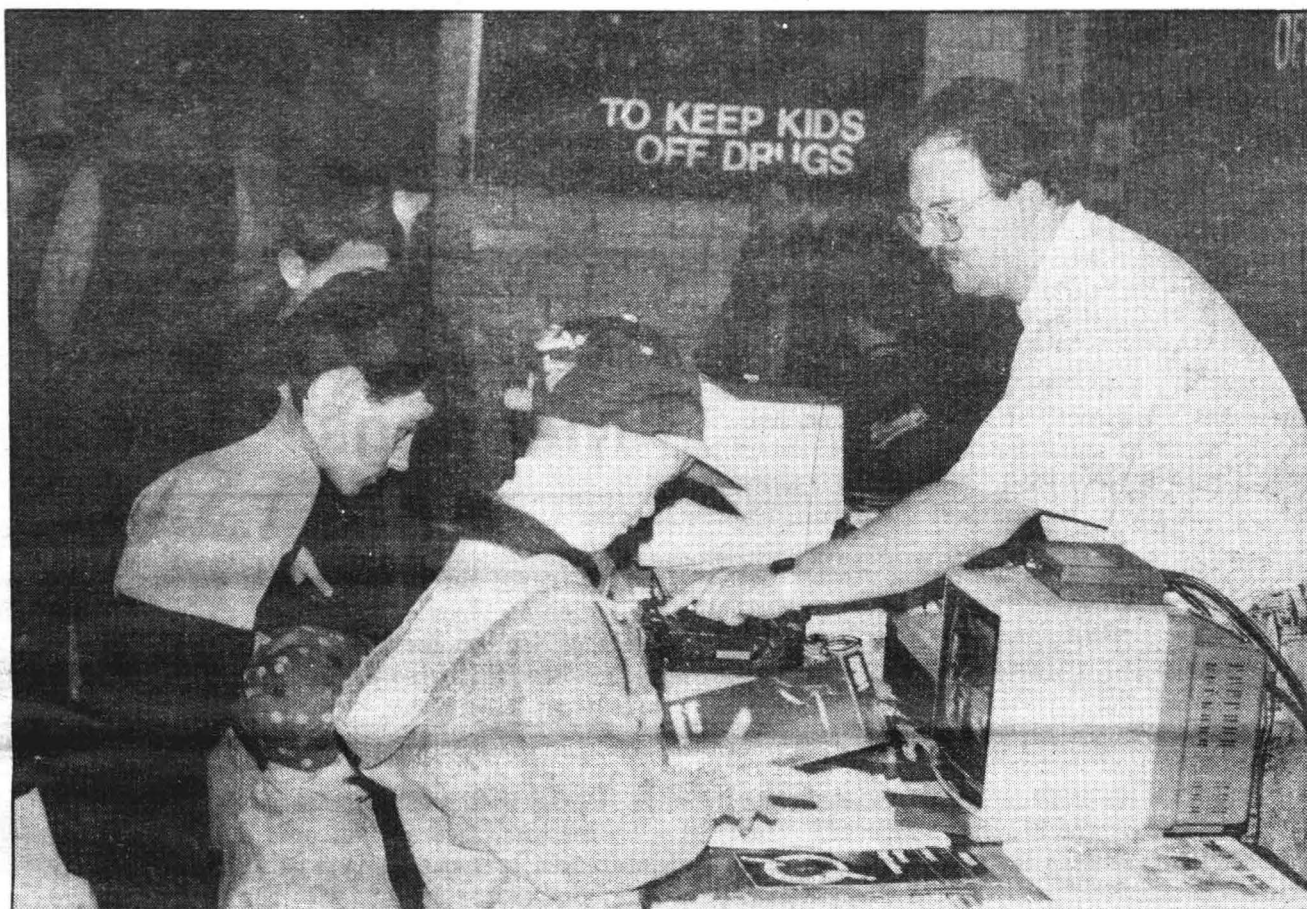
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"Youth Opportunity Day" Held in Baraboo



A very successful special event was held at the Baraboo Civic Center on Saturday, April 16 to show youngsters of all ages the wonders and fun that awaits them, now and in their futures. About 50 companies and hobby clubs had displays, even with a relatively short time for contacting the clubs and companies. Lt. Dennis Kluge of the Baraboo Police Department handled much of the organizing, including contacting the Yellow Thunder Amateur Radio Club. Art Kleefisch, W9WSS, Baraboo, did a great deal of work, contacting club members and arranging for displays, especially who was going to bring what. In the photo, Steve Schulze, N9UDO, shows a two-meter rig's functions to some young folk. There were lots of "oohs" as the kids watched Traksat show them where space shuttle Endeavour (STS-57) was, with its successful radar-mapping mission then in progress. Amateur color television was displayed by Jim Paul, N9LKY, using a low-power ATV transmitter, and packet was also demonstrated. "Archie" comic books from the American Radio Relay League were given away, as well as other handouts describing Amateur Radio. Among other club members helping were Bill Hommel, KA9QFJ; and Jim Decker, WB9UQT. It was estimated that several hundred youngsters attended, and many had no idea that any of "this stuff" at the various displays existed. The Baraboo Police Department's booth is in the background of the photo.

- BSSS staff photo

ARRL Develops Position in "Vanity" Call Sign Proposal

On April 9, the League's Executive Committee approved the recommendations of the Ad Hoc Committee on Preferred Call Signs in preparation for the ARRL's filing of formal comments in PR Docket 93-305, the FCC's "Vanity" call sign proposal. The recommendations were based on membership input solicited by the committee.

The committee feels that all amateurs should be eligible for participation in the program. A phase-in period and priority system of "gates" should be

adopted to allow the Commission relief from the administrative burden expected from the heavy initial submission of applications, and to afford licensees the opportunity to regain lost call signs. Included in the first "gate" would be those who wish to obtain the call sign of a direct family member. Clubs with lapsed club licenses and call signs should be allowed to recoup those call signs in the first priority group. The second gate in the priority system would be opened to Extra Class licensees; a priority third gate would be opened to Advanced Class licensees.

Please turn to page 13

FCC Amends Message Forwarding Rules for Systems in the Amateur Service

In an April 4 press release, the FCC announced that it has relaxed the amateur service rules to enable contemporary message forwarding systems to operate at hundreds of characters per second while retaining safeguards to prevent misuse.

A message forwarding system is a group of amateur stations participating in a voluntary, cooperative, interactive arrangement where communications from the control operator of an originating station are transmitted to one or more destination stations via forwarding stations, which may or may not be automatically controlled.

Currently, the control operator of each station is held individually accountable for each message retransmitted, resulting in unnecessary content review and delays.

The ARRL, in commenting on PR Docket 93-85, stated that the obligation of the control operator of the first forwarding station should be the establishment of the identity of the station originating the message. Only when this is not done should these control operators be held accountable for improper message content.

Please turn to page 7

Earth-Based Ham Operator Talks to Extra-Terrestrial - From His Car!

Ham says "I couldn't believe it!"

See page 5 for details!

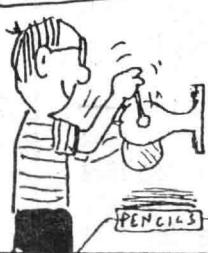
ELMER

I MADE SOME PRETTY GOOD POINTS AT THE CLUB MEETING.



Badger State
Smoke Signals

THEY HAD ME SHARPEN PENCILS.



THIS IS MY LUCKY PENCIL.



I'M RUNNING OUT OF LUCK.



By Rich Regent, K9GDF

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WHAT'S HAPPENING

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EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

Swapfests

and Other Social Events

SUNDAY, MAY 1, 1944. DEKALB Hamfest. Sandwich Fairgrounds, Sandwich, IL. Contact: KARC, PO Box 264, Sycamore, IL 60178.

SUNDAY, MAY 1, 1994. Burlington, IA Hamfest. Contact: Burlington Hamfest "94", c/o N2DUP, PO Box 911, Burlington, IA 52601-0911.

SATURDAY, MAY 7, 1994. Manitowoc, WI. Lakeshore Hamfest and Computer Swapfest. AT Manitowoc County Expo grounds. VE testing, walk-ins welcome. Registration for exams ends at 9:00 a.m. Exams and registration is at Silver lake College, (near the hamfest on highway 151). Doors open at 8:00 a.m. Admission is \$3.00 at the door or \$2.00 in advance. Contact Red, N9GHE, (414) 684-9097, Ron, WS9X, (414) 793-4733 nights only or write to: ManCoRad Radio Club, PO Box 204, Manitowoc, WI 54221-0204. (See full ad elsewhere this issue.)

SATURDAY, MAY 7, 1994. The Ozaukee Radio Club will sponsor its Sixteenth Annual Cedarburg Swapfest at the Circle-B Recreation Center, Highway 60 and County I. Contact: ORC Swapfest Chairman, W70 N1018 Hampton Court, Cedarburg, WI 53012. (414) 377-7468. (See full ad elsewhere this issue.)

SUNDAY, MAY 22, 1994. MAYFEST 94, at the DuPage County (IL) Fairgrounds. Contact: G.M.R.s. of Illinois, Inc., 2077 West Roosevelt Road, Wheaton, IL 60187. (708) 690-1492.

SATURDAY, JULY 9, 1994. South Milwaukee Swapfest at Oak Creek, WI. Contact: SMARC, P.O. Box 102, South Milwaukee, WI 53172. (414) 762-3235 ext. 58.

SUNDAY, JUNE 12, 1994. Central Wisconsin Radio Amateurs (CWRA) is holding their 17th annual swapfest at the University Center on the

University of Wisconsin-Stevens Point campus in Stevens Point, WI. The facility features plenty of well lit, air conditioned space with food and rest rooms on site. Parking is free, and the site is accessible to the handicapped. Tables and Electrical power (limited number of outlets) will be available. Groups and clubs dedicated to Amateur Radio are invited to request space for meetings, reunions, educational seminars, demonstrations, or other ham-related activities. Facilities will be assigned on a first-come, first-served basis. Doors open to the public at 8:00 a.m. with shutdown at 1:30 p.m. ARRL/VEC testing. Contact Art Wysocki, N9BCA, CWRA Swapfest Chairman, 3356 April Lane, Stevens Point, WI 54481. (715) 344-2984.

SUNDAY, JULY 24, 1994. Dupage ARC Hamfest. AT the Hawthorne Race Course, 3500 South Cicero Ave., Stickney, IL. Contact DARC, Hamfest 94, 7511 Walnut Ave., Woodridge, IL 60517.

SUNDAY, JULY 31, 1994. Racine Hamfest, Racine, WI. Contact RMC, PO Box 3, Racine, WI. (414) 554-7565.

SATURDAY, AUGUST 27, 1994. Northwoods Amateur Radio Swapfest, at Sugar Camp Town Hall, 12 miles north of Rhinelander, WI on Highway 17. Contact: Mary Berger, NS9Q, 367 Lois St., Rhinelander, WI 54501. (715) 362-9296.

AUGUST 28, 1994. Woodstock, IL, Mc Henry county fairgrounds, Route 47 just north of route 14. Contact TCRG, PO box 3107, Skokie, IL 607-7106.

SEPTEMBER 17-18, 1994. SUPERFEST, Peoria, IL.

SUNDAY, OCTOBER 23, 1994. KMRA Swapfest, Waukesha, WI.

SATURDAY, NOVEMBER 5, 1994. Friendlyfest, 1994. Sponsored by the Milwaukee Repeater Club. NEW LOCATION: Waukesha Expo Center Arena. VE testing. Contact MRC, Inc., PO box 2123, Milwaukee, WI 53201.

SUNDAY, JANUARY 8, 1995. Midwinter Swapfest sponsored by the West Allis RAC. Contact WARAC, PO Box 1072, Milwaukee, WI 53201.

See also the back page and flyer ads for addition information about many of the above events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebneter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the March 1994 meetings column for the latest complete listing. The following are additions or changes since that listing.

THE WINNEBAGO AMATEUR RADIO CLUB (Formerly the Oshkosh Amateur Radio Club)

The Winnebago ARC welcomes all Amateurs and interested persons to join us at the Omro City Hall, on Webster Street. Meetings held the third Sunday each month, weather permitting. Talk in on 147.24 repeater.

For further information contact KB9IME, Dan Lenz, at (414) 233-7145.

MILWAUKEE RADIO AMATEURS CLUB

Last Thursday evening, Wauwatosa Savings and Loan (lower level) at 7500 W. State St. in Wauwatosa. Meetings begin at 7:30 pm 12 months of the year.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

April 30, 1994	Wauwatosa, WI (MRAC)
May 7, 1994	Manitowoc, WI
	(Lakeshore Hamfest)
May 7, 1994	Cedarburg, WI (BE)
	(Ozaukee Hamfest)
May 7, 1994	Racine, WI
May 14, 1994	Medford, WI
May 14, 1994	Madison, WI
May 14, 1994	Oak Creek, WI (MRAC)
May 14, 1994	Marinette, WI
May 14, 1994	Merrill, WI
May 14, 1994	Fond du Lac, WI
May 16, 1994	Sturgeon Bay, WI
May 18, 1994	West Allis, WI (MRAC)
May 28, 1994	Oshkosh, WI
May 28, 1994	Tomahawk, WI
May 28, 1994	Wauwatosa, WI (MRAC)
May 28, 1994	Dubuque, IA
June 4, 1994	River Falls, WI

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebneter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

EDITOR: Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

TREASURER: Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$9.75
2 years	(24 issues)	\$18.00
3 years	(36 issues)	\$26.00

Special club package reduced rates are available. For information, contact Ken Ebneter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the

material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebneter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebneter.

Swapfest information should be sent to Ken Ebneter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN. This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

June 11, 1994 Marshfield, WI
 June 11, 1994 Appleton, WI
 June 11, 1994 Madison, WI
 June 12, 1994 Stevens Point, WI
 (CWRA Swapfest)
 June 15, 1994 West Allis, WI (MRAC)
 June 18, 1994 Tomahawk, WI
 June 25, 1994 Wauwatosa, WI (MRAC)
 July 9, 1994 Madison, WI
 July 9, 1994 South Milwaukee, WI
 (SMARC Hamfest)
 July 20, 1994 West Allis, WI (MRAC)
 July 22, 1994 Eau Claire, WI
 (ECARC Hamfest)
 July 23, 1994 Eau Claire, WI
 (ECARC Hamfest)
 July 30, 1994 Wauwatosa, WI (MRAC)
 July 30, 1994 Tomahawk, WI
 August 6, 1994 River Falls, WI
 August 13, 1994 Madison, WI
 August 17, 1994 West Allis, WI (MRAC)
 August 20, 1994 Dubuque, IA
 August 27, 1994 Wauwatosa, WI (MRAC)
 September 10, 1994 Marshfield, WI
 September 10, 1994 Madison, WI
 September 10, 1994 Oak Creek, WI (MRAC)
 September 17, 1994 Milwaukee, WI (BE)
 September 17, 1994 Appleton, WI
 September 21, 1994 West Allis, WI (MRAC)
 September 24, 1994 Wauwatosa, WI (MRAC)
 October 1, 1994 River Falls, WI
 October 8, 1994 Madison, WI
 October 8, 1994 Oak Creek, WI (MRAC)
 October 15, 1994 Milwaukee, WI (BE)
 October 19, 1994 West Allis, WI (MRAC)
 October 29, 1994 Wauwatosa, WI (MRAC)
 October 29, 1994 Marinette, WI
 November 5, 1994 Menomonie, WI
 November 6, 1994 Kaukauna, WI
 (Hamfest)
 November 12, 1994 Madison, WI
 November 12, 1994 Oak Creek, WI (MRAC)
 November 16, 1994 West Allis, WI (MRAC)
 November 19, 1994 Milwaukee, WI (BE)
 November 19, 1994 Dubuque, IA
 November 26, 1994 Wauwatosa, WI (MRAC)
 December 3, 1994 Stevens Point, WI
 December 3, 1994 River Falls, WI
 December 10, 1994 Marshfield, WI
 December 10, 1994 Madison, WI
 December 17, 1994 Milwaukee, WI (BE)
 December 21, 1994 West Allis, WI (MRAC)
 Monthly, 1st Sat. Racine, WI
 (except January, July & August)
 Monthly, 2nd Sat. Madison, WI
 Monthly, 2nd Sat. Oak Creek, WI (SWAT/MRAC)
 (except June, July & August)
 Monthly, 3rd Wed. West Allis, WI (MRAC)
 Monthly, 3rd Sat. Loves Park, IL
 Monthly, Last Sat. Wauwatosa, WI (MRAC)
 (except December)
 Monthly, Last Sat. Tomahawk, WI
 (January thru October only)
 Quarterly Marshfield, WI
 (Second Saturday every third month.)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

GENERAL RULES

FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.75 payable to "ARRL/VEC".

The FCC now requires applicants to show

their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

OAK CREEK, WI (SWAT -MRAC/VEC)

SECOND SATURDAY DATES: 1:00 p.m. at Wauwatosa Savings and Loan Branch, 6560 S. 27th St., Oak Creek, WI. (MRAC/VEC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. at Park Manor, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 8:30 a.m. at 7500 W. State St., Wauwatosa S&L, lower level, Wauwatosa, WI.

For Additional Information Contact; Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

Unless otherwise noted, examinations are administered beginning at 9:00 a.m. to Noon, at WMVS-TV studios, MATC Downtown campus in the C building. The address is 1036 N. 8th Street, Milwaukee. Enter at the North West entrance of C Building. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available now will be FCC General Radio Telephone Commercial exams. Fees are \$5.75 for the Amateur Radio exams and \$35.00 for the commercial exams.

MADISON, WI

VE exams are held in Madison every second Saturday morning (September through May) of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.75, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, N29B

EAU CLAIRE, WISCONSIN

July 22 & 23, 1994 at the ECARC Hamfest, Northern Wisconsin State Fairgrounds, Chippewa Falls, WI.

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct. Tomahawk Volunteer Examiners (ARRL/VEC).

Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

STEVENS POINT, WI

Contact: Joe Larson, N9JW. (715) 344-1182.

APPLETON, WI - ARRL/VEC

MANITOWOC, WI (HAMFEST)

KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967.

MENOMONIE, WI

The Northern Wisconsin RC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

RIVER FALLS, WI

Exams are held in the church basement, at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, (715) 425-2428.

MARSHFIELD, WI (ARRL/VEC)

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave., in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact: Walter Friant, WBOKIN, 2310 Wallonie Drive, Marshfield, WI 54449 (715) 387-3870.

MEDFORD, WI (ARRL/VEC)

Co-sponsored by the Taylor County Area ARC and the Tomahawk Volunteer Examiners. Saturday, May 14, 1994. Testing for all classes, Novice through Extra. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Held in the conference room in the lower level of the Sheriff's Annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. From Hwy. 64 proceed west through the intersection with Hwy. 13, to 2nd st., then south on 2nd St. to the courthouse. From Hwy. 13 at the south city limits, proceed north west on Ogden to the courthouse. Park in the lots on the east or south sides of the courthouse. Watch for the signs. Talk-in on the 147.15 Medford repeater. Walk-ins welcome, however, if you know you'll be attending, it would be appreciated if you call ahead. Contact: Tom Hrdina, N9GEN, 2373 Willow ave., Medford, WI 54451. Phone (715) 748-4054.

GREEN BAY, WI (ARRL/VEC)

Contact N9NOF, Keith Summers, 918 Bluebird St., De Pere, WI 54115. (414) 336-6087, after 4:00 p.m.

OSHKOSH, WI

Winnebago County ARC, Oshkosh Armory, 1415 Armory Place. Registration at 8:00 a.m. with testing at 9:00 a.m. Contact AA9BA, (414) 685-5018 or KB9IME, (414) 233-7158.

FOND DU LAC, WI

The Fond du Lac ARC is sponsoring an exam session on ARRL National Exam Day, May 14, 1994 for all amateur license classes. The exam location is Community United Methodist Church, 701 Minnesota Ave in North Fond du Lac, WI. Exams will be given from 9:00 a.m. to noon. Contact Doug Schultz, N9EFZ, 541 Delaware Ave. North Fond du Lac, WI 54937. (414) 922 3088.

(continued on page 14)

Wisconsin Nets Association Ltd.

Art Evans, KA9KLZ, Secretary • 213 North Jefferson • Cuba City, WI 53807

Wisconsin Nets

Net	WNA	Freq.	UTC	CDT	Mgr.
BWN	Yes	3985	1100	0600	W9AYK
BEN	Yes	3985	1700	1200	KE9VU
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	KA9FVX
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	2330	1830	KA9OMC
(Mondays CST) (Menomonee Area)					
Gr. Bay	No	72/12	0145	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0100	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1300	0800	WA9OAY
(LSB Sunday)					

Section Manager's Notes

Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221



Central Wisconsin RA will hold its Swapfest on June 12 at the University Center in Stevens Point, with license exams available.

Other exams: June 4 Racine and River Falls; June 11 Marshfield, Appleton, Madison, Milwaukee and Oak Creek; June 15 West Allis; June 25 Tomahawk and Wauwatosa.

Don't forget Field Day, it's an opportunity to demonstrate the capabilities of Amateur Radio to the public, held on June 25 and 26.

New coordinated repeaters: Fort Atkinson 447.750/442.75 MHz N9DTT and Milwaukee 910.250/427.250 MHz ATV N9BMH. Wisconsin Association of Repeater Frequency Coordinator is WB0WOT of Beldenville, please let him know of any inactive systems.

Northeast Wisconsin DX Association is now ARRL affiliated.

West Allis RAC providing nearly \$500 worth of books on Amateur Radio to various libraries.

Good luck to nominees for ARRL Excellence in Recruiting: N9MEH, N9MEI and N9LHY.

If you would like to learn more about traffic handling or become an Official Relay Station, contact K9KSA of Brookfield.

The Pennsylvania QSO Party results for 1993 had the following Wisconsin stations (score) listed: K9GDF (5,058), WB9QFX (2,546) and KA9USV (80).

Sorry to report Silent Keys WA9UXX and KA9LXX.

Thought for the month: *Random events tend to occur in groups.* □

Net News and Gossip

Badger Weather Net

Jim Merrill, W9AYK, Net Manager
W283 Hillendale Drive
Oconomowoc, WI 53066

We moved from 3.984 to 3.985 MHz January 30, 1994. QRM from out in 2-land was the prime cause. However, we are still experiencing some enlightening activities on the new frequency. A foreign broadcast station also uses it on the new frequency. Occasionally, we hear something very close to what you'd hear after that secretary puts your phone call on hold. Telephone music. It's not all that bad, because they play slow. Jim (YPY) complains when the early bird checkins' signals aren't as strong as they are. After the long skip shortens, it's not such a problem (usually around 6:10 to 6:20 now in March) so most local signals are S8 to 20 over S9.

K9JPS is still waiting for that to happen when

he's NCS. Seems that Wednesday is poor propagation day.

One morning (2:30 or so) there was a carrier down 500 Hz when YPY set up shop early in the morning. So, he moved down 500 and operated from there. About 5:30 or so, the carrier suddenly stopped. I figure one of our own must have been working late. Maybe his income tax records got moved on top of the hand key and he didn't know it. Remember, guys, the FCC doesn't authorize beacon stations below 28.20 MHz.

Checkins remain between 65-75 daily, except when propagation is a problem. One Tuesday morning, we only had 25 checkins. Of course, a few days later WB9YPY picked up 82 weather messages. If you don't make it one day, you can still get the weather in a bit late. Of course, Jim gets a mite testy if, after you send today's weather, you tell him that you have another one. He doesn't have much room on his report form.

That's about it for this time.

Jim Merrell, W9AYK, NM/BWN

Wisconsin Intrastate Net/Late

Ed Rice, W9NGP, Net Manager
W126 Lang Road
Oconomowoc, WI 53966

Despite very bad conditions, the Late WIN has been very busy with: QNI 150, QTC 56, QSP 39,

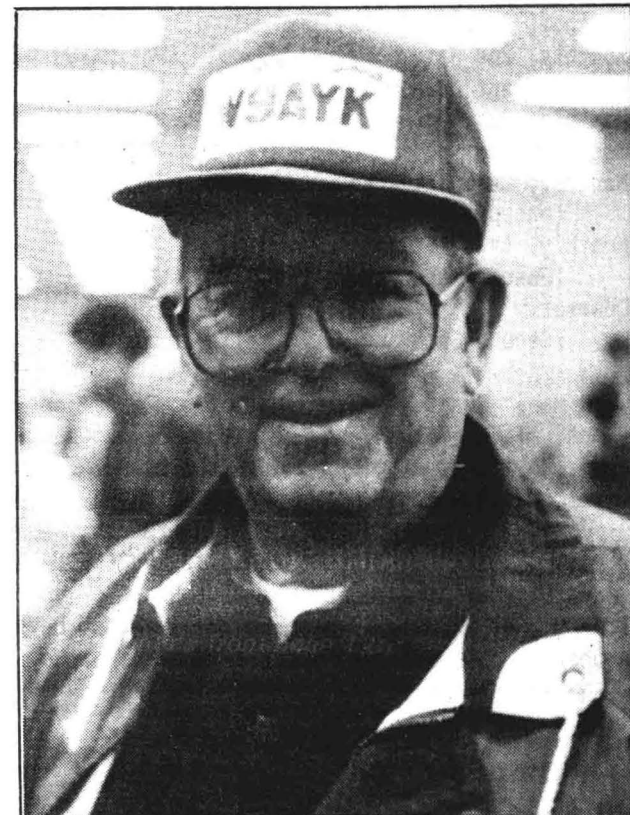
from January 1 to March 31.

N9KHD, Andy Borg, has helped a lot with 9RN traffic. N9CKC, Steve Franson, has been very active lately. It's the efforts of excellent CW operators like these fellows that make the Late WIN successful.

Also, my thanks go out to the net control stations who have been so dependable. They are: W9CBE, W9UW, W9YCV, K9KSA, N9BDL, and AG9G.

73, Ed

The minutes of the WNA's March meeting are in the Participating Clubs and Organizations section of this issue.



These photos, taken at the Madison Swapfest on April 10, are of (left) Les Peterson, W9YCV, Greenfield, one of Wisconsin's most active traffic net operators, and a frequent contributor of pictures and articles to *Badger State Smoke Signals*. At right is gentle Jim Merrell, W9AYK, Oconomowoc, net manager of the venerable Badger Weather Net and treasurer of the Wisconsin Nets Association Ltd.

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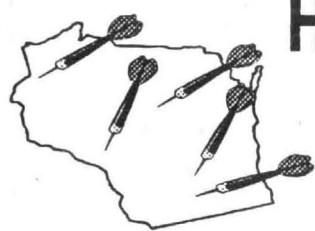
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HERE and THERE

Contact with "Extra-Terrestrial" Enroute to Swapfest is a Surprise

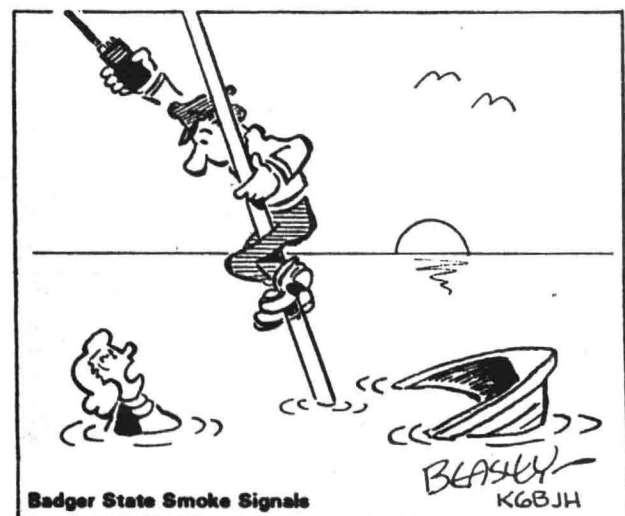


While most hams on their way to the Madison Swapfest on April 10 were talking with Joe Androfski, K9OMF, or Glenn Miller, WA9VYE, who were operating the talkin station on the Madison Area Repeater Association's 147.15 repeater, Chris Zenchenko, WB9RSQ, of Evansville, WI, pictured above, had a QSO encounter of a much different kind. Chris was listening in his mobile for the space shuttle Endeavour on two-meter FM voice. He gave the shuttle a call, saying, "This is WB9RSQ mobile." He was surprised, and maybe a little shocked, when from his rig came, "Hi, this is the space shuttle, also mobile!" This happened after he had tried over a period of a few years (or more) from a fixed station with all the amenities which should have almost guaranteed a QSO then; it never worked. Now, he was on Highway 14 between Oregon WI and Madison, working the shuttle from his mobile. Chris enjoyed swapping signal reports with operator Jay Apt, N5QWL, aboard Endeavour, and arrived at the swapfest with a mile-wide smile.

Ham Link for Spacecraft

On April 13, Amateur Radio linked the Russian space station MIR with the orbiting U.S. space shuttle.

By two meters, astronaut Jay Apt, N5QWL, contacted Graham Ratcliff, VK5AGR, in Adelaide,



Badger State Smoke Signals

LOOKS LIKE WE'LL BE "MARINE MOBILE" FOR ABOUT 2 MORE MINUTES, AND YOU FORGOT TO CHARGE YOUR BATTERY PACK!!

New ARRL Pamphlets

By Richard Regent, K9GDF
Section Manager, Wisconsin Section,
American Radio Relay League
5003 South 26th Street, Milwaukee, WI 53221

Some new pamphlets have been developed and distributed by the ARRL Educational Activities Department. Here's a few your club might want:

WHAT DO YOU DO NOW? This pamphlet has practical info about ham radio, stuff they don't teach in most books, that can be distributed by volunteer examiners to the newly licensed or by instructors to new ham radio class graduates, perhaps with an ARRL membership application.

HAM RADIO - This one that describes a fun challenge for Girl Scouts who want to make friends, learn a lifelong hobby, be prepared for national and local emergencies and have lots of fun. If your club would like to introduce Girl Scouts to a friendly high-tech hobby, check the telephone directory white pages for your area Girl Scout council. The ARRL can send the Girl Scout brochures you'll need, and make sure to ask for your free youth poster.

FLYING HIGH - WITH AMATEUR (HAM) RADIO: For the airplane pilot, this new brochure combines aviation with Amateur Radio. There is a huge crossover in the number of hams who are

pilots so it makes sense to recruit pilots as new hams.

Perhaps your Club can have someone give a talk to the local Civil Air patrol or aviator Explorer Post. Set up a demonstration table this summer at an air show or leave a stack of these brochures at the local airport.

EDUCATIONAL ACTIVITIES FORUM: This newsletter is an idea exchange for Amateur Radio instructors.

EAF is edited by Tracy Bedlack, N1QDO, the ARRL Educational Correspondent.

How can you get these pamphlets and others? Simply let ARRL Headquarters folks know how many you need of each pamphlet (write to ARRL, 225 Main Street, Newington, CT 06111 or phone 203-666-1541).

You'll get the latest version and quantity you need. Getting pamphlets direct from ARRL Headquarters, rather than from me, is much faster and minimizes postage costs, since I keep only a small inventory and it cuts out the middle man.

□

Australia, while Russian cosmonaut Valery Poyakov, U3MIR, hooked up with Rita Jaquinto, VK3-CFI, in Melbourne.

The Australians then used a telephone link to connect the two spacecraft as both passed over Australia, at 5:36 p.m. Australia time.

The shuttle-MIR contact was arranged by the Shuttle Amateur Radio Experiment (SAREX). The SAREX payload has flown on 12 previous shuttle flights, providing school children, ham operators, and astronaut families with the unique opportunity to speak with the shuttle astronauts via ham radio.

Polyakov ended his communication by wishing Apt, and the entire crew aboard Endeavour, a safe return home. The shuttle was scheduled to land in Florida on Monday, April 18 at 12:12 p.m.

- ARRL Bulletin ARLS020, 4/14/94

Resolution Gains Majority

The Amateur Radio Service Joint Resolution, H.J. Res. 199, now has a majority of the U.S. House of Representatives as cosponsors. On April 11, four additions to the list of cosponsors brought the total to 220 (of which three are non-voting delegates).

The four are: Rep. James Talent (R-MO), Del. Eleanor Holmes Norton (D-DC), Rep. Thomas Ridge (R-PA), and Rep. Don Young (R-AK).

The resolution seeks formal recognition of the value of Amateur Radio to the country, would support Amateur Radio as "national policy," and

Please turn to page 9

Stolen Equipment

The following equipment was taken on March 20, 1994 from the Rib Mountain Ski Area parking lot: **Kenwood TM-741 Tri-Band Mobile**, serial number 30301870, with 2M/6M/70cm band packs. Also has 800 MHz receive antenna coax/TSU-7 and DTU-2 and **DTMF boards. Clear Channel Ranger AR-3500**, serial number 86095959, 100-watt all-mode 10M mobile. Black face with Motorola microphone. **Two President (Uniden) Speakers**, all black, one has connector missing. **One 18" Co-Pilot Map Light**, all black gooseneck, has power leads cut short. **Home Brew Aluminum 12 volt DC power distribution box** with 6 XLR mike connectors and 2-20 amp filters on each side, power leads cut short.

All of this equipment was mounted in an all-black aluminum equipment rack. Stolen was the upper half, consisting of two uprights and two cross shelves. The Kenwood was on the top and the Ranger was on the bottom of the lower shelf. The top of the lower shelf had a mounting bracket for a Kenwood TM-3530. The two speakers were mounted on the right-hand upright. The map light was also mounted on the right side near the bottom. If any of this equipment is or has been seen, please contact me [Mike Matakovich, N9IAB, 3203 North 20th Avenue, Wausau, WI 54401, (715) 675-7679 collect or (715) 845-4355, extension 414 collect; if in Wisconsin, call (800) 472-0013, extension 314] or the Marathon County Sheriff's Department at (715) 847-0200 and refer to case number 94-005159, stolen equipment.

□

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8405

The Computer Corner

By Stan Kaplan, WB9RQR
11541 North Laguna Drive
Mequon, WI 53092-3119

Number 11 in this series deals with repairing computers. It is not that much different from repairing other types of electronic gadgets, including ham rigs. Here is a success story, showing that a little careful observation is sometimes all that is needed.

Someone gave me a broken 386 computer recently. The owner related that the building in which it resided was struck by lightning, and after the strike, the computer began acting strangely. It would work for awhile, then it would lock up and quit. After a few days of putting up with this intermittent craziness, the owner threw up his hands, bought a new computer, and "threw" the old one my way, knowing I would love to have the parts. When I got around to looking at it, to see what might be salvaged, I found two HD floppy drives (5-1/4" and 3-1/2"), and a 140 Mbyte hard drive. Not bad, I thought, let's take a look.

I booted up the unit. Everything worked - the monitor, keyboard, and floppies. Not a bit of trouble formatting or reading disks. Furthermore, the hard drive could be accessed with no problem. At least I had some spare parts. Then it happened - lock up. Everything was on but the machine was totally unresponsive. Whatever had been on the screen just stayed there no matter what I typed. Even a warm boot (Ctrl-Alt-Del) command would not work. Hmmm. I turned it off, then back on, and it would not boot up.

Left it alone for a few days. Turned it on, and it booted. Worked fine for an hour, then locked up again. Hmmm. Time to apply good old ham style diagnostic procedure. Opened the case and poked around, checking all the connectors. Nothing loose.

Turned it back on with the case still open. It booted fine. Hmmm. Then I noticed this particular brand of computer had a series of LEDs next to the power plug on the motherboard. They lighted up, showing +5, -5, +12 and -12 volts present on the motherboard from the power supply. Thoughtful of the engineers to provide them; not many computers sport that feature. Whoops! It locked up again. Looked at the LEDs; the +5 volt LED was unlit! Ahah. The lockup is a power supply problem!

I decided to "do it right". I pulled the drives and boards out of the machine, including the motherboard itself. It doesn't take a lot of electrical or mechanical skill to do all that. All one needs are a few tools, and the good sense to make a sketch of everything with copious notes so you can put it back together again. I burnished the edge connector contacts on every board using a soft white eraser (any other type is not suitable; they remove too much gold plating from the contacts). Then, using a small screwdriver, I slightly raised every IC out of its socket, not completely - just a little, and then pressed each one firmly down until it was firmly seated. The purpose? To combat "chip creep". Constant heating and cooling with each use of a computer can cause the integrated circuits to actually creep up out of their sockets with time, increasing the resistance of the contacts. Prying them up a little followed by reseating wipes oxidation off the pins and insures the contact between the pins and the socket is as low a resistance as is possible.

I removed the power supply and thoroughly cleaned the dust out of the fans, using a soft brush and some blasts of air (cough, cough). Then I spotted it! The connector from the power supply that mates with pins on the mother board had three sockets that were badly discolored, as if they had been burned. I burnished the power connector pins. Then, using a very small needle file, I burnished the inside surface of the metal sockets the pins insert into. Finally, I used a dental probe to close up the metal sockets slightly, so the fit would be tight and the contact resistance low. Consulting my sketches and notes, I reassembled the computer in under 10 minutes.

On bootup, it worked perfectly. Let it run overnight. No lockup. Loaded a game on the hard

drive and played it for an hour. No lockup. Voila! I had a perfectly good 386DX computer on hand, sporting two floppies, 4 Mbytes of RAM and a large hard drive. Not bad for a couple of hours work, which revealed nothing more than some faulty power contacts on a burned plug. Perhaps the surge from the lightning strike did it, perhaps not.

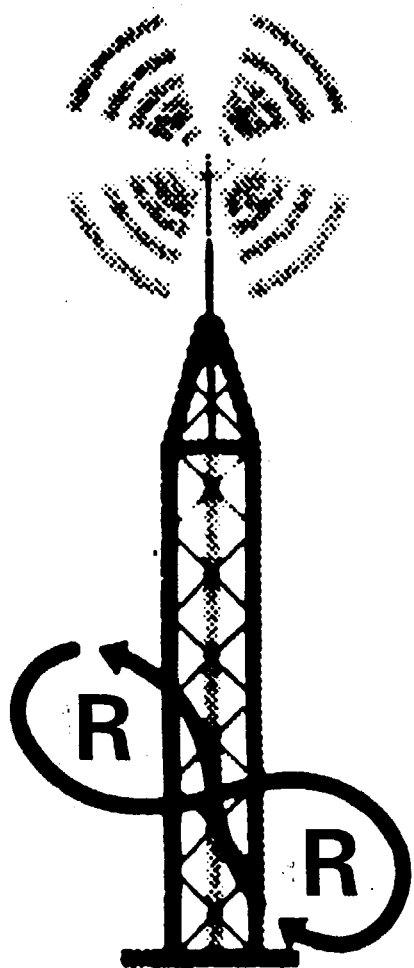
The moral of the story is, don't be afraid to disassemble a computer. It is nothing more or less than a bunch of printed circuit boards and a couple of drives, all hooked together and to a power supply. You can do it. The only caveat is, you **MUST** take notes and make sketches, so you can reverse the teardown procedure. Note each and every plug, the color of the wires and their orientation. Pay particular attention to the orientation of those connectors that interface to drives - the wide multiconductor cables often have a red or black wire on one side, and the orientation of the plug that connects to the drive is important. If they are keyed so they can go only one way, fine. But if not, the sketch will be your only resource to get them back together correctly. You won't damage anything if you put them together backwards, but the sketch can save you hours of experimenting to get things to work. Don't forget to make notes concerning which slot each circuit board was in. Sometimes the position is critical, even though a board may fit into several possible slots. I have seen boards that would not function properly unless they were in the very first slot, nearest to where the power supply leads connect to the motherboard. Take lots of notes!

A complete teardown might be a good idea when you pick up that \$50 XT at the next swapfest, before you put it into service. It is probably full of dust and dirt, which you can clean up during the procedure. An excellent way to insure proper operation is to remove the "dust devils" - they clog the pathways for air circulation, which can lead to overheating of the chips. Heat and dirt are two major enemies of computers. Have fun with it! □

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Message Forwarding Rules Amended by FCC

Continued from front page

Also, there is currently no central supervisory authority in an ad hoc amateur service digital network, making these unsupervised systems easy targets for misuse by uncooperative operators and nonhams.

Moreover, the Commission said that it could be difficult to establish after the fact that a particular VHF station originated a fleeting high-speed digital transmission.

For these reasons, the Commission said there must be on-going oversight of the system and the control operators of the first forwarding stations are in the best position to provide such oversight.

Therefore, the Commission will hold accountable only the licensees of the station originating a message and the licensee of the first station

forwarding a message in a high-speed message forwarding system.

The licensee of the first forwarding station must either authenticate the identity of the station from which it accepts communications on behalf of the system, or accept accountability for the content of the message.

The Commission also clarified that the station that receives a communication directly from the originating station and introduces it into the message forwarding system is the first forwarding station.

The League and the Colorado Council of Amateur Radio Clubs suggested that the Commission substitute the word "simultaneously" for "instantaneously" in the redefinition of a repeater. The Commission concurred and adopted this modification.

The Commission believes that these rule changes will enable contemporary high-speed message forwarding systems to operate as their designers intended, while retaining the minimum safeguards necessary to prevent misuse.

The effective date of the rules change has not yet been announced.

- ARRL Bulletin ARLB030, 4/5/94

ADVERTISING SALES REPRESENTATIVE NEEDED

Badger State Smoke Signals needs an advertising salesperson. A commission is paid, as are certain expenses. If you are interested, please contact Publisher Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901, or call Ken at (608) 742-3560.



Wisconsin Repeater Directory

Courtesy of the Wisconsin Association of Repeaters



The WISCONSIN ASSOCIATION OF REPEATERS is an organization of trustees and representatives of repeaters, state-wide, whose goal is mutual cooperation on the VHF/UHF spectrum, in the voluntary spirit of Amateur Radio.

GENERAL FREQUENCY COORDINATION POLICIES

1. We attempt to place no two repeaters on the same pair closer than 120 miles.
2. We attempt to place no repeater on a 15 kHz split pair closer than 40 miles to any adjacent 30 kHz standard spacing machine.
3. We not only assist proposed repeaters in finding a frequency where possible, but we actively attempt to protect coordinated repeaters' frequencies from interference whenever possible.
4. W.A.R. has suggested band plans for most of the FM spectrum, a subaudible tone plan for the State of Wisconsin and all necessary information for coordination of new or modifications to existing repeaters. Contact the Frequency Coordinator.

Scot Thompson, WB0WOT
Wisconsin Association of Repeaters
W7137 770th Ave.
Beldenville, WI 54003

Key to Letter Codes in Directory

O	Carrier Access	B	Burst
PL	Sub-Audible Continuous Tone	T	Touch-Tone
W	Whistle	C	Closed Private Repeater
A	Autopatch	(CA)	Closed Private Autopatch
E	Emergency Power	L	Link and/or Crossband
P	Portable	R	RACES Affiliated
X	Wide area coverage	Z	Autopatch to Law Enforcement

Wisconsin Sub-Audible Tone Plan By Region

North Central	- 2A, 114.8 Hz	North East	- 1B, 107.2 Hz
North West	- 2Z, 110.9 Hz	South Central	- 3Z, 123.0 Hz
South East	- 3A, 127.3 Hz	South West	- 3B, 131.8 Hz

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220 MHz: -1.6 MHz 440 MHz: + 5 MHz
ATV: 421.25 MHz TV video + 18 MHz, 425.75 MHz TV Aural + 9 MHz

LOCATION	RG	OUTPUT	CALL	ACCESS	UPDATE	OK=*	SPONSOR	UPDATED
ALGOMA	NE	146.805	WB9RJB/R	O PL 107.2 L			WB9RJB	03/14/92
ANTIGO	NC	53.050	N9QMP/R	O USE -1 Mhz NOW			N9QMP	11/22/93
ANTIGO	NC	145.310	KD9HH/R	O			KD9HH	04/04/93
APPLETON	NE	145.150	KB9BYP/R	O CA E Z PL-1B			O CO ARES	04/04/93
APPLETON	NE	145.330	WD9FLJ/R	O PL 107.2			F V VHF A	06/11/93
APPLETON	NE	146.655	KB9ENO/R	O A PL-1B			ECR LTD	09/10/93
APPLETON	NE	146.760	K9OQO/R	O			F V VHF A	06/11/93
APPLETON	NE	147.195	N9PAO/R	O PL 107.2/114.8			VRG	10/12/93
APPLETON	NE	443.650	W9IEI/R	O			W6IEI	06/11/93
APPLETON	NE	1282.200	N9LVS/R	O E L			N9LVS	04/04/93
ARLINGTON	NC	147.315	N9QIP/R	C PL E X L TT			N9QIP	12/11/93
ARLINGTON	NC	444.550	N9QIP/R	C PL E X L TT			N9QIP	12/11/93
BALDWIN	NW	146.685	WB0ND/R	O L E			SARCASM	04/17/92
BARABOO	SC	145.310	N9KXX/R	O 3Z			N9KXX	08/08/93
BARABOO	SC	146.880	K9YXW/R	O E X PL 123.0			C W R A	04/29/92
BARABOO	SC	443.900	N9FBF/R	O A L PL 114.8			LFM 38	12/11/93
BARABOO	SC	444.250	N9KXX/R	O PL-3Z			BSRG	09/10/93
BAYFIELD	NW	146.610	W9BCY/R	O			NLAND ARC	03/12/92
BELDENVILLE	NW	147.225	WB0WOT/R	O A E			B.A.T.S.	06/21/93
BELDENVILLE	NW	224.840	WB0WOT/R	O A E			B.A.T.S.	06/21/93
BELDENVILLE	NW	443.225	WB0WOT/R	O A E			B.A.T.S.	06/21/93
BELOIT	SC	146.670	WA9JTX/R	O E R			BELOIT AR	06/21/93
BELOIT	SC	224.300	WB9UBM/R	O TT			C.B.S. RG	03/14/92
BERLIN	SC	443.850	N9AOZ/R	O A PL 123.0			N9AOZ	04/04/93
BURLINGTON	SE	146.745	WB9CAS/R	OZA 127.3 L145.290			N9CAS	06/11/93
BURLINGTON	SE	224.060	N9BBQ/R	O PL A E			SE WI ERS	12/15/92
CALEDONIA	SE	442.500	WA9KVE/R	O 3A			WA9KVE	06/21/93
CAMERON	NW	443.650	N9KOR/R	O E CA			N9KOR	04/04/93
CHIP/WA FALLS	NW	146.880	WA9PAM/R	O			WA9PAM	03/12/92
CHIP/WA FALLS	NW	444.350	WA9PAM/R	O			WA9PAM	04/16/93
CLARKS MILLS	NE	145.370	KA9YGO/R	O			KA9YGO	04/04/93
CRIVITZ	NC	145.470	KA9YQJ/R	O PL 114.8 CA			KA9YQJ	04/04/93
DELAFIELD	SE	146.820	KE9QP/R	O CA E X PL 3A Z			SEWFARS	06/21/93
DELAFIELD	SE	444.125	KE9QP/R	O E PL 114.8			SEWFARS	04/04/93
DORCHESTER	NC	145.270	WA9ZCO/R	O A E			WA9ZCO	04/04/93
EAGLE RIVER	NC	145.390	KD9PT/R	O			KD9PT	04/04/93
EAU CLAIRE	NW	146.910	K9UXP/R	O A E X			E C ARC	04/04/93
EAU CLAIRE	NW	147.195	KA9LJK/R	O			KA9LJK	07/16/90
EAU CLAIRE	NW	147.240	KA9ELD/R	O CA E			E C ARC	04/04/93
EAU CLAIRE	NW	443.300	KB9R/R	O E			KB9R/R	04/04/93
EAU CLAIRE	NW	444.675	KA9LJK/R	O			KA9LJK	07/16/90
ELKHORN	SE	146.865	WA9AJW/R	O A			W CO ARES	04/04/93
ETTRICK	SW	146.700	WA9HCZ/R	Y 2125 HZ MARK			WA9HCZ	04/04/93
FITCHBURG	SC	444.000	KA9VDU/R	O PL-2A L			BURG	10/09/93
FOND DU LAC	NE	147.090	WD9ESH/R	O			FDL. RPT	01/10/93
FOND DU LAC	NE	223.900	WA4COY/R	O B CA			WA4COY	01/31/94
FOND DU LAC	NE	444.150	WA4COY/R	O B A PL 107.2			WA4COY	05/22/93
FOND DU LAC	NE	444.225	KA0SEP/R	O			KA0SEP	04/04/93
FORT ATKINSON	SC	53.090	AA9AD/R	O PL 123.0			S.W.R.G.	04/19/93
FORT ATKINSON	SC	145.490	W9MQB/R	O			TCARC	04/16/93
FORT ATKINSON	SC	224.420	N9DIT/R	O			N9DIT	04/16/93

LOCATION	RG	OUTPUT	CALL	ACCESS	UPDATE	OK=*	SPONSOR	UPDATED
FORT ATKINSON	SC	442.750	N9DIT/R	O PL 123.0			N9DIT	01/31/94
FRANKLIN	SE	444.625	K9WQG/R	O			K9WQG	06/06/93
FRANKLIN	SE	1282.500	KD9Y/R	O			KD9Y	11/22/93
FRANKSVILLE	SE	223.800	KC9NG/R	O			KC9NG	06/06/93
FREEDOM	NE	224.220	AA9A/R	O PL			AA9A	11/15/90
FREMONT	NC	147.015	N9AOT/R	O A L 29.600 TT			W.A.C.O.	03/22/92
GERMANTOWN	SE	147.045	WB9EFP/R	O CA			WB9EFP	04/16/93
GERMANTOWN	SE	224.180	W9CQO/R	O			O.R.C.	04/04/93
GERMANTOWN	SE	443.225	WD9DH1/R	O PL 114.8			W E R A	03/12/92
GILLET	NE	224.480	WL7MO/R	O PL 114.8			N9MPB	04/04/93
GLIDDEN	NW	444.650	N9EDV/R	O INPUT 144.65			N9EDV	04/04/93
GREEN BAY	NE	147.075	N9PAW/R	O E PL-1B			N9PAW	11/08/93
GREEN BAY	NE	147.120	K9GB/R	O A E Z X			G B M&K	03/12/92
GREEN BAY	NE	147.270	K9ALN/R	OXPL 107.2 31U/30D			NEW RL	10/24/93
GREEN BAY	NE	147.360	K9EAM/R	O A E Z			GB M&K	03/12/92
GREEN BAY	NE	223.940	KB9DSV/R	O A E PL-107.2			KB9DSV	12/29/93
GREEN BAY	NE	224.140	K290/R	O A E PL 107.2			RA RMT	12/29/93
GREEN BAY	NE	443.500	WA9SWX/R	O A E Z			GB M&K	03/12/92
GREEN BAY	NE	443.750	N91IE/R	O			RRU	04/04/93
GREEN BAY	NE	444.200	WB9JVJ/R	C			WB9JVJ	12/11/93
GREEN BAY	NE	444.750	KB9AMM/R	O			KB9AMM	03/14/92
GREEN LAKE	SC	146.955	KB9WC/R	O E			G FOX ARC	05/22/93
GREEN LAKE	SC	444.400	KB9WC/R	O			G FOX ARC	05/22/93
GREENFIELD	SE	52.880	WB9WKR/R	O			GF'LD 6RS	03/12/92
HARTFORD	SE	52.990	K9MLD/R	O			K9MLD	06/06/93
HAYWARD	NW	147.255	N9EGE/R	O CA			NVWA	12/11/93
HAYWARD	NW	444.850	N9EGE/R	O			N9EGE	04/16/93
HERTEL	NW	147.300	WB9RBD/R	O CA E Z			B.A.R.S.	04/04/93
HERTEL	NW	224.500	WB9RBD/R	O A E Z			B.A.R.S.	04/04/93
HERTEL	NW	443.500	WB9RBD/R	O A E Z			B.A.R.S.	04/04/93
HILBERT	NE	53.170	KN9P/R	O			KN9P	04/19/93
HILLSBORO	SW	145.370	WB9SBD/R	O			WB9SBD	12/14/92
HIXTON	SW	146.940	KC9YE/R	O			T/J RA	04/04/93
HOLCOMBE	NW	52.810	N9LIE/R	O			N9LIE	06/06/93
HOLCOMBE	NW	145.470	N9LIE/R	O			N9LIE	04/16/93
HOLCOMBE	NW	147.345	N9QWH/R	O			N9QWH	04/04/93
HOLCOMBE	NW	441.925	N9QWH/A	O			N9QWH	04/04/93
HOLCOMBE	NW	444.625	N9QWH/R	O			N9QWH	04/04/93
HOLLANDALE	SC	146.655	KB9AKM/R	O			ICATS	04/04/93
HUBERTUS	SE	145.250	KA9HLP/R	O			A.R.E.S.	09/08/92
HUDSON	NW	145.130	W9AVX/R	O CA R E T			SCC RACES	04/04/93
HUDSON	NW	146.955	K0LAV/R	O PL 114.8 L			K0LAV	04/16/93
IOLA	NC	444.650	N9NOI/R	O PL-2A			N9NOI	12/11/93
IRMA	NC	146.730	K9GTQ/R	O			K9GTQ	11/12/93
JANESVILLE	SC	145.450	WD9ACY/R	O			RAT SYS	04/04/93
JANESVILLE	SC	147.075	KB9YC/R	O PL 123.0			KB9YC	11/17/92
JANESVILLE	SC	442.825	KB9YC/R	O PL 123.0			KB9YC	11/17/92
JUNEAU	SC	146.640	W9TCH/R	O A E 2911 WX			ROCK R RC	12/31/93
KAUKAUNA	NE	444.450	ND9Z/R	O CA			ND9Z	04/04/93
KENOSHA	SE	224.800	WB9LST/R	O A E PL 114.8			K.A.R.S.	04/04/93
LA CROSSE	SW	29.640	KE9XQ/R	O			KE9XQ	12/11/93

Club Rule Changes Sought by ARRL

The American Radio Relay League (ARRL) has petitioned the FCC to increase the minimum number of members necessary for granting a club station license from two to four. The FCC has designated the petition RM-8462.

The League said that the FCC's 1993 Notice of Proposed Rule Making to reinstate club licensing makes this a timely issue.

In 1990, the League, as part of a petition for rule making seeking miscellaneous changes in the amateur service rules, proposed the same change. But the League said that if that program was resumed, the two-person criteria would invite applications from parties that are not clubs, such as two or three licensees simply wanting an alternative call sign.

The FCC at that time declined to change the criteria, since new club licenses were not being issued.

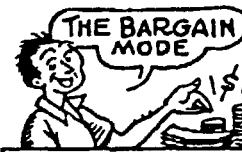
The League said that the two-person criterion is insufficient to distinguish bona fide clubs - which should be encouraged and provided the identity of a separate license and call sign - from two or three individuals who do not function as a normal Amateur Radio club.

The League said, by way of example, that of 1,957 Amateur Radio clubs that are ARRL-affiliated, only 10 have fewer than four members.

Until 1976, the FCC required an application for a club station license to file copies of the club's constitution and bylaws, which helped ensure that the club was bona fide.

The FCC has not issued club station licenses since 1979.

- ARRL Bulletin ARLB031, 4/11/94



SSB

SELL SWAP BUY

OUR WANT ADS GET RESULTS

FOR SALE: Icom IC-4AT with extra battery, \$120. MFJ speaker mike to fit most Icom handhelds, \$15. Icom BP-4 battery pack for 6 AA batteries, \$7. Bill Lowe, WJ9S, S 5802 CTH B, Eau Claire, WI 54701. (715) 833-1811.

FOR SALE by the Taylor County Area Amateur Radio Club, Medford, WI: Most of a VHF Engineering brand 2-meter repeater system, originally purchased in 1979. Included are the original power supply, appx. 10 watt transmitter and controller, all mounted on a rack-mountable chassis. This hardware was functioning at the time it was removed from service. Also included are a Spectrum Communications courtesy tone annunciator circuit board and a 22 wide x 18 deep x 44 1/2 inch high enclosed repeater cabinet. All that is needed to make this an operational repeater are a receiver and a duplexer and antenna, or two separate antennas. If you have any questions about the equipment or would like to arrange to see it, contact Bob Braun, KB9BLV, at (715) 654-5552 (home) or (715) 654-5551 (business). □

LOCATION	RG	OUTPUT	CALL	ACCESS	UPDATE	OK=*	SPONSOR	UPDATED
LA CROSSE	SW	146.760	K9CUT/R	O			L C R ASC	06/12/92
LA CROSSE	SW	146.865	KE9XQ/R	O			KE9XQ	12/11/93
LA CROSSE	SW	146.970	K0JYB/R	O A E X			RVRLNDARC	04/04/93
LA CROSSE	SW	147.090	N9ETD/R	O			MVARA	05/22/93
LA CROSSE	SW	444.600	WA9HCZ/R	O			ONA ARC	04/04/93
LA VALLE	SC	442.400	W9EBF/R	O PL 3Z			W9EBF	04/04/93
LC D'FLAMBEAU	NC	146.670	N9AFN/R	O PL			N9AFN	12/29/93
LODI	SC	147.225	K9EY/R	O CA E PL 114.8			K9EY	04/04/93
MADISON	SC	53.070	N9KAN/R	O PL 123.0 (P)			S.W.R.G.	04/19/93
MADISON	SC	146.685	W9YT/R	O PL 107.2			UWB ARS	12/14/92
MADISON	SC	146.760	WB9AER/R	O CA E Z PL 123.0			M A R A	04/04/93
MADISON	SC	146.940	W9FZC/R	O PL 123.0			C W R A	04/29/92
MADISON	SC	147.150	WB9AER/R	O CA E Z PL 123.0			M A R A	04/04/93
MADISON	SC	224.160	WB9RSQ/R	O PL			WB9RSQ	06/06/93
MADISON	SC	443.000	N29B/R	O			BURG	03/31/92
MADISON	SC	443.400	N9KAN/R	O PL 123.0 CA X L			S.W.R.G.	02/09/93
MADISON	SC	444.450	N9PHQ/R	O			N9PHQ	04/19/93
MADISON	SC	444.500	WB9TAE/R	O PL-3Z CA E L			WB9TAE	04/04/93
MADISON	SC	444.725	N9PHQ/R	O PL-3Z			N9PHQ	10/10/93
MADISON	SC	444.775	NG9V/R	O PL 114.8			NG9V	04/29/92
MADISON	SC	444.925	WB9TAE/R	O PL (MOBILE)			WB9TAE	04/04/93
MANITOWOC	NE	145.190	WB9MFB/R	C			WB9MFB	04/04/93
MANITOWOC	NE	146.610	W9DK/R	O TT			MANCORAD	04/04/93
MANITOWOC	NE	146.700	K9FWR/R	RTTY			K9FWR	12/10/89
MANITOWOC	NE	147.030	N9GHE/R	O A Z911* PL 107.2			N9GHE	04/04/93
MANITOWOC	NE	224.540	N9GHE/R	O			N9GHE	04/04/93
MANITOWOC	NE	443.975	N9GHE/R	O A			N9GHE	04/04/93
MARSHFIELD	NC	145.490	W9FYP/R	O			W9FYP	09/10/93
MARSHFIELD	NC	147.180	AA9BN/R	OAE Z911 L 444.975			MAARS	06/06/93
MARSHFIELD	NC	444.975	AA9BN/R	O E L 147.18			MAARS	06/06/93
MAUSTON	NC	146.850	N9FVP/R	O			ARCOFCW	06/06/93
MEDFORD	NC	147.150	W9QHI/R	O E P WX A P Z O			TAYLOR	05/22/93
MENOMONEE FALLS	SE	444.425	KA9FIN/R	O			SHRINE	04/16/93
MENOMONIE	NW	146.610	WB9YMB/R	O			R CDR RA	06/21/93
MENOMONIE	NW	146.805	N9HNI/R	O			N9HNI	04/04/93
MENOMONIE	NW	443.575	N9KIP/R	O			N9KIP	08/08/93
MERRILL	NC	53.190	N9QJ/R	O			MERRIL RA	04/19/93
MERRILL	NC	145.450	KB9DZG/R	O			KB9DZG	12/11/93
MERRILL	NC	146.970	N9QJ/R	O			MERRIL RA	04/04/93
MEQUON	SC	443.750	WA9POV/R	O PL 114.8			WA9POV	03/29/94
MILTON	SC	146.715	WB9FKW/R	O CA			WB9FKW	05/22/93
MILWAUKEE	SE	29.620	WB9ZRB/R	O			IND RP SY	12/29/93
MILWAUKEE	SE	29.680	N9BHG/R	O PL 127.3			N9BHG	03/21/91
MILWAUKEE	SE	53.030	WB9TRO/R	O			W.E.R.A.	03/12/92
MILWAUKEE	SE	52.680	WB9ZRB/R	O			IND RP SY	12/29/93
MILWAUKEE	SE	145.130	N9EGR/R	O A E L Z X PL-3A			MAARS	06/06/93
MILWAUKEE	SE	145.170	W9FK/R	O			WARAC	06/06/93
MILWAUKEE	SE	145.230	N9BMH/R	O PL 141.3			N9BMH	12/11/93
MILWAUKEE	SE	145.390	WB9AFB/R	O PL 127.3			MARC RC	04/04/93
MILWAUKEE	SE	145.130	KA9CEK/A	L E PL-3A(5.13RB)			MAARS	08/20/93
MILWAUKEE	SE	146.625	WB9ZRB/R	O			WB9ZRB	12/29/93
MILWAUKEE	SE	146.670	W9UK/R	O			ARES	10/12/93
MILWAUKEE	SE	146.790	W9HHX/R	O A CA PL 127.3			MSOE ARC	02/08/93
MILWAUKEE	SE	146.850	W9KHO/R	O PL 127.3			MICORS	12/29/93
MILWAUKEE	SE	146.910	WA9JOB/R	O E Z X PL 127.3			M.R.C.	07/05/92
MILWAUKEE	SE	147.000	W9PY/R	O PL 146.2			P.R.C.	05/22/93
MILWAUKEE	SE	147.105	K9IFF/R	C CA TT			K9IFF	04/04/93
MILWAUKEE	SE	147.135	N9YT/R	O PL 141.3			NY9T	06/28/92
MILWAUKEE	SE	147.165	WB9SDD/R	O PL 127.3 E			WB9SDD	04/16/93
MILWAUKEE	SE	147.210	W9ODD/R	O PL 127.3			M.U. RAMS	04/04/93
MILWAUKEE	SE	223.860	WB9UOS/R	O			WB9UOS	11/12/93
MILWAUKEE	SE	224.680	WB9AFR/R	O PL 127.3			WB9AFR	04/29/92
MILWAUKEE	SE	224.900	NK9G/R	O			NK9G	11/15/90
MILWAUKEE	SE	224.960	WB9EUF/R	O PL 127.3			WB9EUF	06/06/93
MILWAUKEE	SE	427.250	N9BMH/R	O ATV RPT			N9BMH	01/31/94
MILWAUKEE	SE	443.150	W9KHO/R	O PL 114.8			MICORSS	05/17/91
MILWAUKEE	SE	443.300	WB9TYT/R	O PL 114.8			WB9TYT	05/17/91
MILWAUKEE	SE	443.550	K9HXA/A	C			K9HXA	04/04/92
MILWAUKEE	SE	443.700	WA9HUX/R	O PL			WA9HUX	04/04/93
MILWAUKEE	SE	443.800	N9GMT/R	O A E Z L PL 114.8			FM 38	07/11/93
MILWAUKEE	SE	444.200	K9HXA/A	C			K9HXA	04/04/92
MILWAUKEE	SE	444.300	W9SUF/R	O Z PL 114.8			ARES	12/11/93
MILWAUKEE	SE	444.325	N9CFG/R	O PL-2A			B.I.O.S.	10/13/93
MILWAUKEE	SE	444.800	K9HXA/A	C DPL			K9HXA	04/04/92
MILWAUKEE	SE	444.850	WB9TRO/R	C PL A E L			W.E.R.A.	03/12/92
MILWAUKEE	SE	444.875	WB9TRO/R	C			W.E.R.A.	03/12/92
MONROE	SC	145.110	NR9W/R	O			G C ARA	06/04/92
MOSINEE	N9	147.105	N9KJK/R	C			KJK	09/21/93
MT STERLING	SW	147.360	W9DMH/R	O			W9DMH	04/04/93
NEW BERLIN	SE	147.285	W9EBF/R	O PL 3A			W9EBF	04/04/93
NEW BERLIN	SE	442.400	W9EBF/R	O PL 3A			W9EBF	04/04/93
NEW BERLIN	SE	442.700	N9GSI/R	O A 114.8			N9GSI	02/26/92
NEW HOLSTEIN	NE	147.300	K9LGR/R	O A E Z			C.A.R.E.S	04/16/93
NORTH FREEDOM	SC	443.675	KD9UU/R	O PL 114.8 TT 71L			S.W.R.G.	02/09/93
OCONOMOWOC	SE	442.025	N9JU/R	O 2A			N9JU	06/21/93
OSHKOSH	NE	147.240	KA9JAC/R	O TT A E Z			WIN CTY E	06/06/93
OSHKOSH	NE	147.345	WB9ZHN/R	O PL 107.2			SOLAR	04/12/92
PARK FALLS	NC	147.000	WB9WHP/R	O			PRICE RA	10/12/93
PARK FALLS	NC	444.750	AG9G/R	O			AG9G	04/19/93
PEPIN	NW	145.350	KB9S/R	O			WAB ARS	12/11/93
PEWAUKEE	SE	147.210	WB9AKC/R	O PL 127.3			WCTC ARC	06/06/93
PEWAUKEE	SE	443.125	WB9AKC/R	O PL 127.3			WCTC ARC	06/06/93
PLATTEVILLE	SW	145.270	N9PMB/R	O A E			UWPARC	12/11/93
PLYMOUTH	NE	147.060	NF9R/R	O PL-107			SCARC	04/04/93
PLYMOUTH	NE	224.940	NF9R/R	O			SCARC	04/04/93
PLYMOUTH	NE	444.100	KD9TZ/R	O PL 107.2			S CTY 440	04/04/93

LOCATION	RG	OUTPUT	CALL	ACCESS	UPDATE	OK=*	SPONSOR	UPDATED
PLYMOUTH	NE	444.350	WE9R/R	O E L X PL 114.8			WERA	09/26/92
POWERS LAKE	SE	443.925	KC9XN/R	O PL 114.8 L			L&K ARS	04/19/93
POYNETTE	SC	224.660	KE9KX/R	O			KE9KX	06/21/93
PRAIRIE FARM	NW	147.075	K9ST/R	O			K9ST	11/02/93
PT WASHINGTON	SE	146.970	W9CQO/R	O A PL 3A E X Z			O.R.C	04/04/93
PT WASHINGTON	SE	147.330	WB9RQR/R	O A PL 127.3			OZARES	04/04/93
PT WASHINGTON	SE	443.525	WB9RQR/R	O			OZARES	04/04/93
RACINE	SE	53.210	N9GKH/R	O P			N9GKH	07/27/92
RACINE	SE	147.270	W9UDU/R	O A E Z I P R			L/S RP A	04/16/93
RACINE	SE	442.000	KB9HSJ/R	O CA PL 127.3			KB9HSJ	06/06/93
RACINE	SE	442.200	N9OEZ/R	O 103.5 + MDC			C.A.R.S.	04/04/93
RACINE	SE	443.950	KA9JMK/R	O PL 127.3			KA9JMK	04/04/93
RACINE	SE	444.050	KA9LOK/R	O			KA9LOK	04/16/93
RACINE	SE	444.950	WA9BDX/R	O			WA9BDX	10/04/92
RHINELANDER	NC	146.940	W9ZZZ/R	O A E			RHIN RP A	03/14/92
RICE LAKE	NW	145.110	WA9CXN/R	O			WA9CXN	09/13/90
RICE LAKE	NW	147.030	WB9WFG/R	O			BAR ARES	04/19/93
RICHLAND CTR	SW	146.910	WB9SLI/R	O PL			P V RP A	12/14/92
RIVER FALLS	NW	443.800	K9ZMA/R	O			K9ZMA	04/04/93
ROBERTS	NW	147.330	KA9YRV/R	O			SCVRA	09/21/93
ROSHOLT	NC	147.255	KF9HP/R	O			KF9HP	06/20/93
RUBICON	SC	145.350	WB9KPG/R	O A E Z			WB9KPG	12/11/93
SAYNER	NC	145.130	N9QJ/R	O CA			MERRIL RA	09/10/93
SHAWANO	NC	145.350	KA9NWY/R	O PL 114.8			KA9NWY	06/21/93
SHEBOYGAN	NE	145.110	KR9S/R	O			SHEB DX	12/11/93
SHEBOYGAN	NE	147.255	N9REH/R	O			N9REH	04/19/93
SHELDON	NW	144.870	N9ILE/R	O			N9ILE	06/06/93
SISTER BAY	NE	147.180	W9AIQ/N	O E PL-107.2			DC ARC	12/29/93
SLINGER	SE	52.830	W9QMD/R	O			W9QMD	11/22/93
SLINGER	SE	146.730	W9QMD/R	O PL 3A			WA CO RG	04/04/93
SOLOM SPRINGS	NW	145.490	K9ASC/R	O O A E			DC RACES	05/22/93
SPARTA	SW	147.000	KA9YPF/R	O			KA9YPF	03/31/92
SPARTA	SW	224.000	KA9YPF/R	O			KA9YPF	03/31/92
SPOONER	NW	147.135	KE6WF/R	O E Z L 223.2MHZ.			TNT	04/04/93
SPOONER	NW	444.800	KE6WF/R	O				06/06/93
ST GERMAIN	NC	147.315	KA9UCE/R	O E PL 114.8			E.S.R.G.	04/04/93
ST GERMAIN	NC	444.400	KA9UCE/R	O			KA9UCE	04/19/93
STEVENS POINT	NC	146.670	WB9QFW/R	O A E Z			CNT WI RA	04/04/93
STEVENS POINT	NC	146.985	W9NN/R	O E			CNT WI RA	09/10/93
STEVENS POINT	NC	443.950	KC9NW/R	O			KC9NW	04/04/93
STOUGHTON	SC	434.000	N9BXA/R	O ATV			N9BXA	11/28/90
STURGEON BAY	NE	146.730	WB9YUY/R	O OR PL 107.2 E			WB9YUY	10/12/93
STURGEON BAY	NE	147.210	W9AIQ/R	O CA E Z			DOOR E G	04/17/9

FROM THE PUBLISHER

Ken Ebnetter, K9EN
822 Wauona Trail
Portage, WI 53901

As we continue to try to bring you a great paper, we find that production costs are rising faster than our income from advertisers and new subscribers. In addition, as you probably have heard from TV and newspapers, we will soon be facing increased postage costs. We regret that we find it necessary to increase rates for *Badger State Smoke Signals*.

We have not increased our rates in the last three years, even though our costs have continued to increase and we now no longer receive enough income to cover the basic costs of production and distribution. In fact, at our lowest bulk rate for clubs, we barely cover the production cost, leaving little for mailing.

We are increasing all subscription and advertising rates by 20-25 percent. Discount club rates will also increase by \$2.00 per year.

The new advertising and subscription rates will increase effective July 1, 1994. As most clubs set their dues later in the year, we will delay the club increase until January 1, 1995 to allow time for the clubs to make any necessary changes in the dues and fees to their members.

As in the past, we will accept advertising and subscription renewals (up to 3 years) at the present rate, until the new rate becomes effective.

From your letters and comments at swapfests and other events, we believe that you enjoy and look forward to receiving *Badger State Smoke Signals* each month. We regret that we find it necessary to do this, but it is the only alternative to suspending publication.

We are also looking for people to assist us with production of the paper. We also need people to help with advertising contacts and sales. If you can help in either of these areas, please get in contact with me.

Vy 73,

Kenneth A. Ebnetter, K9EN
Publisher

1994 RATES

Effective July 1, 1994

INDIVIDUAL SUBSCRIPTIONS

1 Year	\$12.00
2 Years (save \$2.00)	\$22.00
3 Years (save \$4.00)	\$32.00

1995 CLUB RATES

(Effective January 1, 1994)

Subscribing members of club only:

10 or more subscriptions	\$9.00 per year
50 or more subscriptions	\$8.40 per year

All members of club (billed quarterly):

Less than 50 members	\$8.40 per year
50 members or more	\$7.80 per year

TNT The No-Tune Window Antennas
complete, assembled, ready to use

TNT is the modern coax-fed version of the classic multibander. TNT is No-Tune on 80, 40, 20, 17, 12, 10. TNT/2 is No-Tune on 40, 20, 10. Work other bands w/ tuner. DX & Gain rise w/ frequency. Ready to Use Now! Kink-Proof No Traps or Resistors. Includes Custom Wx-Sealed Insulated to 3000 V. Isolation Balun and Low Noise. Rated 500 Watts.

99 ft. RG-8x feedline. Tech Support 801-373-8425 for info send \$1

AntennasWest
Box 50062-RE, Provo, UT 84605

TNT \$89.95 -S8
Window 135 ft. long P&H

TNT/2 \$79.95 -S7
Window 67 ft. long P&H

Order Hotline 800-926-7373

The TNT secret? Feed a resonant antenna off center at a constant impedance point. Tune it with a feedline isolation balun. Result? DX, broad low SWRs, and multi band No-Tune band-switching.

Custom 2KW TNTs add \$70

This plan must include all members of club to qualify for these rates. Under this plan, up to 15% additional free mailings can be included at no added cost. These are useful for political/community leaders and/or prospective members.

NON-COMMERCIAL ADVERTISING

Hamfest/Swapfest business card, including one free flyer reproduction (display ad)

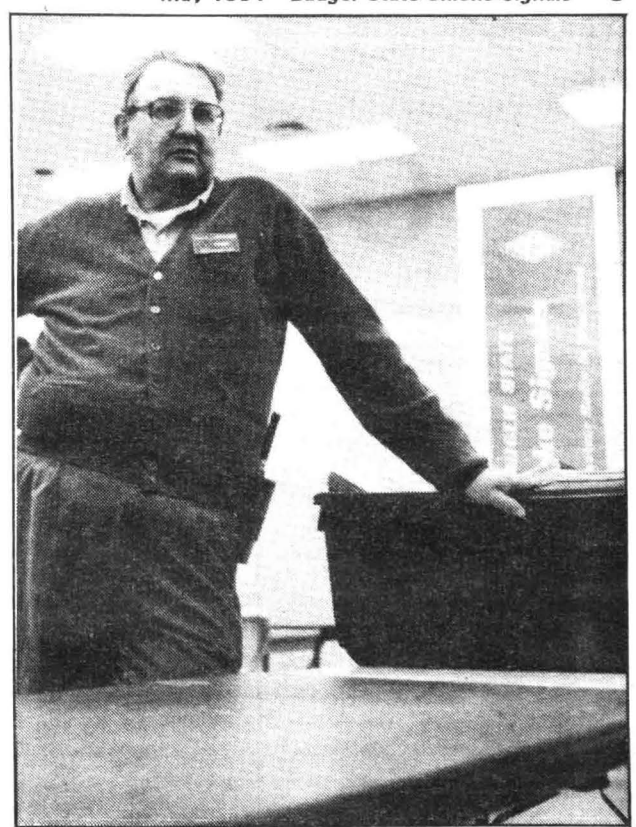
\$68.00 per year

One Hamfest flyer reproduction only	\$35.00
Two insertions	\$62.00
Additional insertions	\$27.00

To create a display ad for a Hamfest/Swapfest, we reduce a typically-sized 8.5 by 11 inch flyer to fit a 9 inch by two column space. The regular business advertiser rate for this ad would be \$56.70 for one insertion, and \$106.20 for two insertions, resulting in a saving of \$21.70 for one insertion and \$44.20 for two insertions. The regular (commercial) rate business card plus flyer cost would be \$131.70, with a resulting saving to the non-commercial Hamfest/Swapfest advertiser of \$67.60 for one display ad, and \$86.20 for two display ads.

COMMERCIAL RATES for advertising have been increased by the same percentage. Commercial advertisers may renew at the old rate for up to two years until July 1, 1994.

For more information, contact Badger State Smoke Signals, Kenneth A. Ebnetter, K9EN, Publisher, 822 Wauona Trail, Portage, WI 53901.



Badger State Smoke Signals publisher Ken Ebnetter, K9EN, unwinds after a very busy day at the BSSS table at the Madison Swapfest on April 10.

Here and There

Continued from page 5

would encourage rules and regulations to facilitate Amateur Radio as a public benefit by encouraging new technologies.

Including resolution sponsor Jim Cooper (D-TN), the total number of voting sponsors is now 218. There are currently 434 representatives in the House.

- From ARRL Bulletin ARLB032, 4/12/94

Central Wisconsin Radio Amateurs, Limited

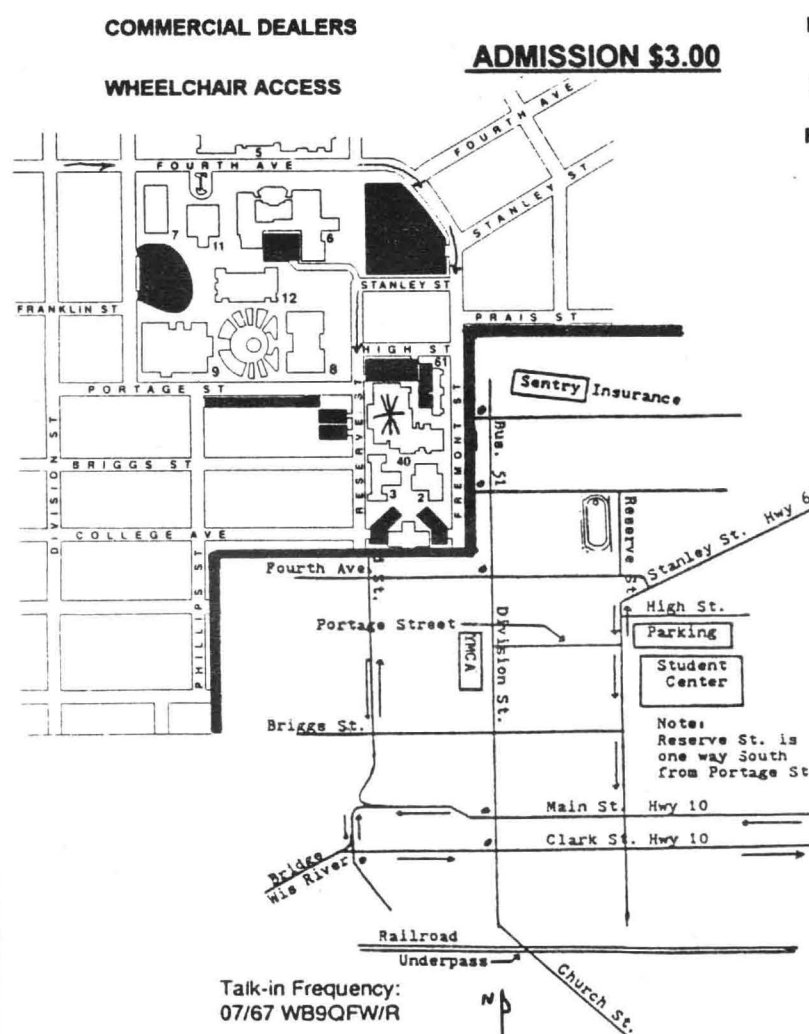
PRESENTS ITS 17TH ANNUAL

SWAPFEST

SUNDAY, JUNE 12, 1994

UW- STEVENS POINT STUDENT CENTER

— FCC EXAMS 9 AM (NOTE NEW FCC EXAM RULES) —



RAFFEL

FOOD AND BEVERAGES

FREE PARKING

6' TABLES \$4 (RESERVE BY 5/15/94)

6' TABLES \$6 (AFTER 5/15/94)

6:30 AM VENDER SETUP

8:00 AM SWAPFEST OPENS

9:00 AM ARRL FCC EXAMS***

TBA WAPR MEETING

TBA WNA MEETING

12:30 PM PRIZE DRAWING

1:30 PM SHUTDOWN

***** EXAM PARTICIPANTS MUST BRING:**

1) ORIGINAL LICENSE OR CSCE

2) PHOTOCOPY OF LICENSE

**3) CHECK TO ARRL/VEC FOR \$5.75
QUESTIONS ABOUT TESTING
JOE LARSON, N9JW. (715) 344-1182**

FOR SWAPFEST INFORMATION

**ART WYSOCKI N9BCA
3356 APRIL LANE
STEVENS POINT, WI 54481
PHONE: (715) 344-2984**

Talk-in Frequency:
07/67 WB9QFW/R

PARTICIPATING Clubs and Organizations

Wisconsin Nets Association Ltd.

WNA MEETING

On-the-Air-Meeting

March 20, 1994

Chairman Larry Guthu, WB9ICH, called the meeting to order at 1830Z, March 20, 1994. The following members and guests were on frequency:

WB9ICH, W9CBE, W9AYK, WB9SMM, WB9YPY, KE9VU, W9KKM, K9UTQ, N9BDL, N9FVN, W9YCV, NS9Q, W9NGT, KA9FVX, WD9FLJ

Chairman WB9ICH called for any correction or comments on the minutes of the Sep. meeting as mailed and published in BSSS. A motion was made and seconded (N9BDL/KE9VU) to approve the minutes. Motion carried. Treasurer Jim Merrell reported that the treasurer's report will be an addendum to the minutes. Chairman WB9ICH called for a motion to approve the treasurer's report. Motion was made and seconded (N9BDL/KE9VU) to approve the treasurer's report. Motion carried.

OLD BUSINESS

Chairman WB9ICH reported that the WNA manual is ready to publish with some minor changes. K9LGU, K9UTQ, KA9KLZ and W9YCV have the manual on disk and can furnish copies. (Also, KA9KLZ and W9CBE have the manual in Commodore format.) Larry also stated that the cost of printing and mailing the manuals is prohibitive at this time. So get the manual on disk if you have computer capabilities. Larry stated that the WNA will try to have some printed copies available by the September meeting.

Chairman WB9ICH urged all WNA members to promote the WNA Boosters and to try to get some of the newer licensees into the traffic nets. Larry also said that we would try to cut the picnic costs this year.

Les, W9YCV, reported that Bob, N9UAR, was going to get the manuals

printed at a very low cost but due to the death of one of the parties involved, things are at a standstill.

NEW BUSINESS

Sherm, W9NGT, reported on the interference problem on the WBSN caused by the Florida Koffee Klatch net. Sherm said that he had contacted Rich, K9GDF, and asked Rich to write a letter to the Florida SM. Gene, K9UTQ, WBSN N/M, concurs with Sherm's actions and hopes to have the matter resolved by fall.

Lee, N9BDL, inquired if the by-laws had been changed. He stated that the meeting notice he had received had been dated on the 18th of March and the by-laws state that meeting notices will be give from 7 to 10 days prior to a meeting. Jim, WB9YPY, reported that the WNA Secretary, KA9KLZ, had forgotten to send the notice. (And I sure did, just completely forgot all about it. Sorry about that -- Art, KA9KLZ.)

NET MANAGERS AND ARRL OFFICIALS REPORT

SECTION MANAGER (SM) -- SM K9GDF was not present.

SECTION TRAFFIC MANAGER (STM) -- STM K9KSA was not present.

SECTION EMERGENCY COORDINATOR (SEC) -- SEC John, WB9SMM, reported that he has made some new appointments and will try to get on the nets more.

BADGER WEATHER NET (BWN) -- Jim, W9AYK, BWN N/M, reported that the BWN moved to 3985 kHz and has some broadcast interference now. The propagation has been poor until about 6:10 to 6:20 a.m. when the band opens up. The net has been averaging 65 to 70 check-ins daily, but only had 25 on a poor propagation day. Jim requests that if a station has more than one weather report to let whoever is taking the reports know so they can make room on the report form.

BADGER EMERGENCY NET (BEN) -- Wayne, KE9VU, BEN N/M, reported the net is doing well, averaging 21 check-ins per session. Wayne said that

WNA LTD TREASURER'S REPORT

March 20, 1994

Income	Expenses	Balance
Balance on hand December 13, 1994		\$58.94
From WNA Boosters (BSSS) AG9G, W9CBE, KA9FVX, N9FVN, W9UW, KE9VU, W9AYK (7 x 9.50)	66.50	125.44
To BSSS for renewals (7 x 6.40)	44.80	80.64
Secretary's expenses	11.79	68.85
Balance on hand March 20, 1994		\$68.85

Submitted by James Merrell, W9AYK, Treasurer

the nets are running a little longer now, 35 minutes or more. Traffic is averaging 4-5 pieces per session. As always, more 9RN reps are needed. Wayne thanks all who have helped out on the net.

WISCONSIN SIDEBAND NET (WBSN) -- Gene, K9UTQ, WBSN N/M, reports that things are going good with the net. January averaged 27 check-ins, traffic 5/3 average, with an average time of 30 minutes. High check-in for the month was 39 and the most traffic for a session was 12. February averaged 26 check-ins, 4/3 traffic and 30 minutes per session. Highest check-ins was 35. March so far has averaged 29 check-ins, 3/2 traffic, 30 minutes and the highest checkins was on Mar. 8, with 40. Gene said he needs a net control for Saturdays and alternate net controls for some of the other week days.

WISCONSIN NOVICE NET (WNN) -- Adrian, KA9FVX, WNN N/M, reported that the net was going along, but not much activity. Adrian said that there seems to be fewer Novices now. Adrian is looking for someone to assume the N/M for the novice net.

WISCONSIN SLOW SPEED NET (WSSN) -- Lee, N9BDL, WSSN N/M, reports that the net is doing fairly good, and had an amazing 10 pieces of traffic on a net during February. Lee said that he had been quite busy (NCS on 62 nets in Feb.) and has not got the net roster or the net endorsements out yet.

WISCONSIN INTRASTATE NET-EARLY (WIN/E) -- Larry, WB9ICH, WIN/E N/M, reported that the net is going good. A ncs is needed on Fridays to replace SK W9OT. 9RN reps are needed as always. Larry said he would like to get

enough 9RN reps to have someone different each day. Check-ins are about average and the net is functioning well in the absence of the N/M. (Larry is still working nights.)

WISCONSIN INTERSTATE NET-LATE (WIN/L) -- Ed, W9NGP, WIN/L N/M was not present. Lee, N9BDL gave the following report. Lee reported that check-ins were about normal, 4-5 per session. Conditions were getting bad, but most traffic is being moved.

NORTH WOODS TRAFFIC NET (NWTN) -- Mary, NS9Q, NWTN N/M reported that the net was doing good and averaging 13-15 check-ins per session. All net controls are doing a good job.

JUNE MEETING

Chairman WB9ICH called for suggestions for a site for the June WNA meeting. After some discussion, several members indicated that they were in favor of having the meeting in conjunction with the Stevens Point Hamfest again. Chairman WB9ICH proclaimed that the June meeting would be held June 12, 1994, at the Stevens Point Hamfest. Time is tentatively set for noon. The time may be changed to avoid conflicts with other meetings held at the hamfest.

With no further business at hand, Chairman WB9ICH called for a motion to adjourn. A motion was made and seconded (N9BDL/KE9VU) to adjourn. Motion carried and the meeting was adjourned at 1916Z, March 20, 1994.

Respectfully Submitted,
Art Evans, KA9KLZ, WNA Secretary

OFFICIAL PUBLICATION OF CENTRAL WISCONSIN RADIO AMATEURS, LTD.

At University of Wisconsin, Stevens Point



WB9QFW 2-Meter Repeater 146.07.67 and Club Station

P. O. Box 923 • Plover, WI 54467

MEETING MINUTES APRIL 13, 1994

Our guest for the evening was Sandra Smolen, Emergency Government Director for Portage County. She was here to review severe weather spotting procedures with us, and to thank us again for our past work.

Rick Miller, NI9P, is our new Emergency Coordinator. He and Scott Jasper, NE9U, drove around the county, identifying good locations for weather spotting. Specially marked county maps were given to volunteer spotters.

When you call in severe weather, try to do it through the weather net if possible. Use the normal non-emergency County Sheriff's number (346-1400), and identify yourself as a Weather Spotter. This distinguishes you from the dozens of panicky citizens who are also calling in. Here is what they want to hear about:

- ✓ Tornadoes on the ground.
- ✓ Funnel clouds aloft.
- ✓ Hail 1/2 inch or larger.
- ✓ Strong winds of 50 to 60 mph or greater.
- ✓ Actual damage reports.
- ✓ Heavy rain amounts or flooding.

And let this serve as a reminder to check over your equipment. Charge up your HT batteries, make sure everything is working. If you do this BEFORE the next big storm hits, you will feel a lot better about it.

Sandy invited any of us who might want to tour the new doppler radar installation in Sullivan, Wisconsin, to let her know about it. She can arrange an appointment for us. The next doppler installation is scheduled to go on line next year in Green Bay.

Club President Art Wysocki, N9BCA, called the business meeting to order at

about 1945.

Treasurer Scott Jasper, NE9U, reported a net loss of about \$150 over the past month. Art reminded us that the swapfest and accompanying raffle is our biggest moneymaker, so it would be to our benefit to sell as many raffle tickets as we can.

Secretary Joe Larson, N9JW, reported on the mail: Information about G-TOR from Kantronics, and about the swapfest May 7, sponsored by the Mancorad group.

Repeater report: Both of the local repeaters are back where they belong and running. The open autopatch is connected to the 146.670 system: use star (*) to bring up the dial tone, pound sign (#) takes it down. This is open to all amateurs.

Special thanks go to Ron Howe NJ9H, Jim Tuszka, N9MEB, and Mike Pagel, KA9LAQ, for all the time and work they put into researching and fixing the problems.

Safety tip for the month: When you're in too much of a hurry, safety suffers. Art said he would be growing a new fingernail; the old one got smashed under a heavy repeater enclosure when he was in "too much of a hurry" to take a little more care how he was carrying the box.

Special Olympics report: Joe Larson, N9JW, shared news about changes for 1994. The opening ceremonies will be at Goerke Field like last year, but the rest of the competition will be back on the UWSP

campus. Dates will be June 9-11, Thursday through Saturday.

Field Day: June 25, Loren Larson N9SEA, is the coordinator. There are two suggested sites: back in the Schmeekle Reserve parking lot where we were last year, or on the other side of the Reserve just across the street from the club station. Take a drive past these two locations and bring your opinions to the next meeting for discussion.

We also briefly discussed the Field Day Food and Party situation. No decision was made, although we all agreed that it was more important a topic than anything involving radios and antennas and that kind of stuff. Again, let Loren know what you think.

Swapfest: Art gave out something like 350 flyers for our swapfest while he was at the Madison swapfest. Dealers who are coming include Radio City, Tower Electronics, and Coax Connection, and WNA and WAPR have asked for meeting rooms. The date will be Sunday, June 12, 1994.

See Scott or Lori Jasper (NE9U or KA9ZGD) for raffle tickets. This year's main prizes will be cash: \$300, \$200, and \$100, plus prizes donated by local businesses. Proceeds are used for maintenance and improvements on the .985 and .67 repeaters and on the packet nodes, as well as the routine cost of keeping our club operational. With the purchase of a new repeater for .985 this year it is especially

Please turn to page 11

Watts Snoo

Central Wisconsin Radio
Amateurs • Stevens Point

Continued from page 10

important for each of us to do what we can to help out.

NEW BUSINESS

Mike Pagel, KA9LAQ, passed along a warning about a license renewal scam. Apparently, the W5YI group is sending out letters to hams whose licenses are about to expire, including a Form 610 and instructions to fill it out and send it back to them along with \$5.00. They would then pass it along to the FCC for you. **This Is A Rip Off!** While it is nice of W5YI to send you the Form 610, you certainly don't need them to do anything for you. You can and should fill it out and send it directly to the FCC yourself! Your only cost is for the stamp.

Better yet, you can get fresh Form 610s from either Frank Guth, W9BCC, or Joe Larson, N9JW, for free. Also, let Frank know when your license expires. He keeps a file, and will send you a Form 610 a couple of months before your expiration date so you can stay current. There is no charge for this service!

I thought for the month: There are three kinds of people in the world: those who understand mathematics, and those who don't.

ATTENDANCE

Joe Larson	N9JW
Gordon Miller	KE9IA
Adriana Dix	KB9DUR
Ray Dix	KF9BG
Mike Eiden	WD9JID
Deb Kroll	N9EIL
Gene Kroll	KE9MA
Mary Eiden	KA9FAS
Ron Howe	NJ9H
Jim Tuszka	N9MEB
Charles Miller	WB9UMU
Loren Larson	N9SEA
Dave Golla	N9OVT
Scott Jasper	NE9U
Joe Omerik	N9CGV
Frank Podach	N9JQR
David Tamres	KB9IIF
Mike Pagel	KA9LAQ
Frank Guth	W9BCC
Al Mallek	N9WBS
John Kalina	KA9DJA
Arthur R. Wysocki	N9BCA
Deb Miller	N9NVP
Angela Miller	N9OKG
Rick Miller	NI9P

Respectfully submitted:
Joe Larson N9JW
CWRA Secretary

Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

RACINE MEGACYCLE CLUB MEETING, APRIL 11, 1994

The meeting was started at 7:30 p.m. by president Gary, N9NGH. Everyone introduced himself with first name and call sign. About 23 hams were present.

The minutes as presented in the *Badger State Smoke Signals* by Arne, KA9ZPY, were approved with minor corrections on call signs.

The treasurer's report by Dave, AA9HL, was approved.

Lloyd, WB9RGO, who was in a hurry, talked about the upcoming workshop April 12 at the Golden Rondell, which is about the weather emergency and related problems.

Lloyd also mentioned the upcoming Lutheran walk, which is scheduled for May 23. At April 23 there will be a disaster drill when hams can participate.

OLD BUSINESS

Larry, WA9JMO, was not present to bring us up on the latest on the purchase of club jackets and caps.

There was considerable discussion about the generator which may be replaced shortly. Gary, 8D9H (sic), has volunteered to look into buying a replacement generator he has heard of. A motion was made and approved to give Gary permission to purchase it if it appears to be what the club wants. It was also announced that the club actually has an older portable generator which has not been used for many years. The generator people will look into this so the club can have a reliable one for the upcoming Field Day.

WB9RGO, Lloyd, has started to get the Field Day antenna fixed.

Bruce, K9RRS, reported that there has not been any progress in finding a meeting place for the packet users' group.

Dave, WB9USI, reported on the last fox hunt which was a little special, since the radio was hidden inside a patrol car. It took the winner 32 minutes to locate it.

The "goodie box" was not brought this time. Maybe it was too heavy?

NEW BUSINESS

There was no new business.

The formal part of the meeting was adjourned at 7:55 p.m.

The program for the evening was about weather emergency. Dan, KA9OIL, had brought a tape from his trip to the Sullivan weather center.

HAM CALENDAR Courtesy Racine Megacycle Club

May 7	Testing at Red Cross
May 7	Hamfest at Cedarburg
May 7	Hamfest at Manitowoc
May 9	MEGACYCLE MEETING
May 15	Hamfest at Peotone
May 22	Hamfest at DuPage
May 29	Hamfest at DeVry
Jun 4	Testing at Red Cross
Jun 12	Hamfest at Stevens Point
Jun 12	Hamfest at Santa Fe
Jun 13	MEGACYCLE MEETING
Jun 14	Testing at Red Cross
Jul 9	Hamfest at Oak Creek
Jul 11	MEGACYCLE MEETING
Jul 23	Hamfest at Eau Claire
Jul 24	Hamfest at Hawthorne
Jul 31	☆ Hamfest Racine!
Aug 7	Hamfest at Peotone
Aug 8	MEGACYCLE MEETING
Aug 14	or
Aug 21	Picnic QCWA
Aug 27	Hamfest at Sugarcamp
Sep 3	Testing at Red Cross
Sep 11	Hamfest at Joliet
Sep 12	MEGACYCLE MEETING
Sep 17	and
Sep 18	Hamfest at Peoria
Sep 24	and
Sep 25	Hamfest at Grayslake
Oct 1	Testing at Red Cross
Oct 9	Hamfest at Waukesha
Oct 10	MEGACYCLE MEETING
Oct 23	Hamfest at Waukesha
Nov 5	Testing at Red Cross
Nov 6	Hamfest at Milwaukee
Nov 6	Hamfest at Kaukauna
Nov 14	MEGACYCLE MEETING
Dec 3	Testing at Red Cross
Dec 12	MEGACYCLE MEETING
1995	
Jan 8	Hamfest at Waukesha
Feb 28	Hamfest at Eau Claire

Gene, WB9CKY, had brought equipment for checking the ht's.

Sincerely submitted:
Arne, KA9ZPY,
club secretary

Riverland Amateur Radio Club

Judy Williams, N9LGV
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



MEETING MINUTES APRIL 5, 1994

The April meeting of the Riverland Amateur Radio Club was called to order by President Feroz, WU9N, at 7 p.m. There were 25 members and one guest present.

Secretary's Report: A motion to dispense with the reading of the minutes from the March meeting since they appeared in *Badger State Smoke Signals* was made by Walt, AA9AW, and 2nd by Rick, KV9U. Motion passed.

Treasurer's Report: Mark, N9UNW, gave the final report. The treasurer's report was accepted as read.

OLD BUSINESS AND COMMITTEE REPORTS

News Line: Feroz recognized the volunteer work done by Walt, AA9AW, for his rebroadcast of Amateur Radio national news and information programs on the Riverland ARC 146.97 repeater for a number of years. The programs will continue to air locally at the new time of 8:00 p.m. on Wednesdays.

Field Day: Bill, KE9XQ, has secured the Jostad site. Dallas, K9LEC, has volunteered to transport trailer to the site. A second site has also been secured, south side Shopko parking lot. The second site will be more of a public information site. Some equipment has been secured for both sites, however some additional equipment will be needed. A motion was made by Bill, KE9XQ, and 2nd by Walt, AA9AW, that \$100 be made available for food and refreshments for Field Day. Motion passed. Scott, KA9FOX, will help with PR locally for the event. Ray, WA9HHM, will provide some additional coax cable.

Club Picnic: Feroz, WU9N, suggested the club have their annual picnic at the Jostad Field Day Site on Saturday for the evening meal. Will try for this year.

May Club Meeting Program: Any ideas?? Call Feroz.

Swap Fest: Clarence, N9NXW, has secured the American Legion Activities building in Onalaska for Saturday, August 20th. He will take flyers to the Rochester Ham Fest and will be listing in *Smoke Signals*.

97 Repeater: Walt, AA9AW, reported that we have a location assigned on the

newer tower at the same site the repeater is now at. He also provided costs for tower climbers, coax of different type and other costs which would be part of the relocation and replacement of equipment project. Walt made a motion which was second by Dick, K0JYB, to purchase and install a dual band antenna and 7/8 Heliac cable which would serve the 97 Repeater and the proposed 440 Repeater at the same site. The motion failed. Scott, KA9FOX, made a motion, second by Rick, KV9U, that up to \$3500 be spent to get the 97 Repeater moved and operational. Motion passed.

440 Repeater: Dan, N9PZC, reported that the fundraising projects are still accepting orders for the mugs and "T" shirts. The order will be sent in soon.

Tower Trailer: Bob, N9LZK, is collecting some parts and equipment for the trailer.

Nook, K9EGO, reported that several members had looked at the tower and have a plan for necessary repairs but first need some help in getting the trailer out of its winter location so it can be moved to Greg's, KA9FOZ, where the repairs will be made. Several individuals volunteered to help and the group was to set a time following the meeting.

Membership Growth: Kent, W9LZQ, will be sending letters to non-renewals from the past two years.

Skywarn: Kent, W9LZQ, reported very good attendance at the Skywarn training. The 76 Repeater will be the backup repeater. Kent reminded trained personnel to "keep an ear out" as the storm season approaches.

WANA - Packet Network: Walt, AA9AW, reminded folks of the April 16 conference to be held at 10:00 a.m. at the UW Whitney Center

Club Jackets & Name Badges: Orders are being taken; contact Judy, N9LGV.

Adjourn: Motion by Bill, KE9XQ, Second by Bob, N9LZK. Motion passed.

Program: Duane Ring Jr., Regional Manager for Century Telephone, presented his outlook of the future and trends in the telecommunication industry. He included what could be happening locally and what are some of the technologies already in place just waiting to be activated.

Respectfully submitted by
Judy, N9LGV, Secretary

A Gleesome Threesome



Three happy campers caught by the infamous BSSS roving photographer at the Madison Swapfest enjoy socializing, even with each other. From left to right are Tom Liska, K9CJM, Wisconsin Rapids; Gene "Brown Bottle" Santoski, K9UTQ, Wisconsin Rapids; and friendly (and bushy) Frank Holliday, WB9NOV, Madison.

WISCONSIN QSO PARTY PARTICIPANTS: BSSS would like to print a photo of you at your station in our issue carrying the official results! Please send photos to Jim Romelfanger, K9ZZ, 412 1/2 Ash Street., Baraboo, WI 53913-2501. Thanks!

Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, May 5th at 7 p.m. in the Emergency Government meeting room located in the basement of the sheriff's annex in the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Talk-in on the 147.15 Medford repeater (+600 kHz).

EXCERPTS FROM MINUTES OF APRIL 7, 1994 MEETING

Meeting was called to order by President N9GEN. Present were N9GHZ, WD9FWP, WA9YCT, N9GEN, KB9BLV, N9UBR, W9QHI and N9FZD.

Minutes of the March 3, 1994 meeting were read by Secretary N9GHZ. Treasurer's report was presented by Treasurer WA9YCT. Cliff has been unable to determine the whereabouts of the check written to the City of Medford for the deposit for use of the city park for last year's Field Day activities. Since the check is now "stale-dated" and would not be honored by the bank, the matter will be dropped. Cliff verified with city hall that we have the city park shelter reserved for June 24th through June 26th for this year's Field Day activities, and they further advised him that he comes in to pick up the keys for the shelter. It was also reported that the club had received a grant in the amount of \$210.00 from the AnnMarie Foundation and the check had been deposited into the club's checking account.

Motion by N9FZD, seconded by WD9FWP, to reimburse N9GHZ in the amount of \$210.95 for options he paid for, for the new repeater transmitter, and a copy fee for a missing bank statement. Motion carried.

An update was presented on the upcoming club-sponsored VE exam session on May 14th in Medford. Someone from the Tomahawk Volunteer Examiners team has finally been contacted to arrange for their assistance, and they will be coming to conduct the test session, provide forms, etc. The availability of local club VE's to assist in running the session was discussed. N9GHZ reported he had sent out a copy of the news release on the test session to all the club's VE's.

It was reported that the severe weather/tornado spotters training session held in Medford on March 14th was well attended by area Amateur Radio operators.

A status report on the 147.15 repeater was presented. It was reported that the receive sensitivity is still bad, especially to the west of Medford in the Sheldon and Stanley areas. N9GHZ will arrange for a service call from Northway Communications through the Emergency Government office.

N9GHZ passed out copies of a FOR SALE notice for the old repeater hardware, and encouraged those present to list the equipment on area 2-meter repeater swapnets.

N9GHZ passed around a copy of a letter of thanks that he had recently sent to Wright Way Auto, Medford, for the work they did on the Amateur Radio antenna mast mount on the Taylor County emergency command post bus. N9GHZ will also send letters of thanks in the near future to KB9HCT for the muffin fan he donated for use with the new repeater transmitter, and to AnnMarie Foundation for the grant they recently made to the club.

Tornado Awareness Week in Wisconsin (April 10-16) was discussed. N9GHZ announced that there would be a simulated ARES/SKYWARN net activated from the Taylor County Emergency Operations Center the afternoon of Thursday, April 14th, and encouraged those present to check in as their schedules permitted.

Weather net operations procedures were discussed. N9GHZ reported that all Amateur Radio equipment located in the Taylor County Emergency Operations Center should be in working order at this time.

Amateur Radio communications for the St. Jude's Bike-A-Thon were discussed.

The meeting was adjourned at 8:01 p.m.

CONGRATULATIONS TO...

☆Jeff Parker, N9UWX, Loyal, who was recently promoted from sergeant to lieutenant with the Clark County Sheriff's Dept.

☆Charlotte Smith, N9WKB, Granton, who passed the exams to qualify for a Technician Class license at the VE test session held in Eau Claire on 1/15/94. She received her license in the mail on 4/4/94 and made her first contact on 4/7/94. Her husband is N9RRF.

OTHER NEWS

Tom Wegner, N9UWY, is on the air now from Neillsville, with a 2-meter HT.

CLARK/TAYLOR COUNTY AMATEUR RADIO EMERGENCY SERVICE (ARES) NEWS

Mike Schoenfuss, N9GHZ, ARES Emergency Coordinator

Don't forget to try to check into the weekly ARES net held Wednesdays at 8:30 p.m. on the Medford repeater (147.75/147.15). If the repeater is down or not functioning properly, alternate frequency is 147.15 MHz simplex. You're also encouraged to volunteer for net control duty for the net.

Thanks to the following who attended the National Weather Services severe weather/tornado spotter's training session held in Medford on 3/14/94: N9SDY, N9VZG, N9UWY, N9GEN, K9LRS, N9GHZ, N9LHY, N9UBQ, N9UBS, N9UBR, KB9BLV, WA9YCT, N9MHV, N9FSZ, KE4FE, N9NDT, N9LIE, N9ULH, KB9HTX and Leonard Van Wey (callsign?). A total of 20 Amateur Radio operators attended the session. There were 36 attendees altogether, so approximately 55% or better than half of those in attendance were Amateur Radio operators. It was a very good showing on our part.

On Thursday, 4/14/94, a simulated ARES/SKYWARN net was conducted on the 147.15 Medford repeater, from the Taylor County Emergency Operations Center at the courthouse in Medford, in conjunction with Tornado Awareness Week. The net coincided with the test of Taylor County's weather warning alert system. Net control operator was N9GHZ. There were a total of 10 check-ins: 6 base stations, 3 mobiles, and 1 portable. 6 were on emergency power and 4 were on commercial power. 6 check-ins were from Taylor County, 2 from Clark, 1 from Rusk and 1 from Wood County. Thanks to the following who checked into the net: KB9BLV, KE4FE, KE9LX, N9RRF, N9UBS, WA9YCT, W9QHI, N9UBR, N9Z9U and N9UBQ. N9GHZ, also checked into the simulated severe weather net being conducted by Marathon County ARES on the 146.82 repeater, as a liaison station for Taylor Co. ARES.

The date for this year's St. Jude's Bike-A-Thon in Medford is Saturday, May 21st. Once again, we are being asked to provide Amateur Radio communications for this event. Please keep your calendars open for this date. Contact N9GHZ if you can be available to assist.

A request has been received to provide Amateur Radio communications for the American Cancer Society's "Making Strides Against Cancer Move-Along-A-Thon" to be held in Medford on Saturday, June 11th. The start and finish point is the intersection of Park Ave. and Allman St. in Medford. The turnaround point is at the end of Industrial Drive off of Whelen St. More details to follow later. Please keep your calendars open for this date. Contact N9GHZ if you can be available to assist.

Quarter Century Wireless Association Southern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Radne, WI 53402



Our anniversary bash welcomed 25 members and spouse/guests to a fine get together. We had an enjoyable meal (even though the banquet director forgot to tell the restaurant staff that we had booked the room for our event). We ended up sharing the room with another group (I now know how a sardine in a can feels).

At the conclusion of the meal, President Ed Konicek, W9NVK, presented a QCWA Certificate "60-years-licensed" to Spencer Clope, W9LDH. Congratulations, Spence.

In the short business meeting that followed, we discussed the Chapter's participation in the Lutheran High School walk on Friday, the 6th of May. We will be providing communication for the Annual Walk beginning at 7:30 a.m. The event should conclude by 10:30 a.m. Bob Jensen, W0WLN, chairing our portion of the event, is looking for seven volunteers to sit in their cars along the route (about four miles), and assist via two-meters if any of the walkers needed help.

The event at Phantom Ranch in Mukwonago is in the planning stage, at least for our group. I have ordered handouts and Archie Comic Books from ARRL, a reconnoitering trip to the site will take place on a Saturday morning early in May. At that time we can make a final determination of where to set up our antennas and

what equipment we will use to dazzle the 150 fifth grade students, as we try to hook them on Amateur Radio. It is a lot of fun, and we may be able to work rare DX. If you have some free time on Wednesday, Thursday or Friday, 25 to 27 May and would like to join us, give either Bob Jensen, W0WLN at 886-8551 or me, at 639-7327, a call and say "I'd like to join you at Phantom Ranch". They make great peanut butter and jelly sandwiches!

We then set the time, date and place for our May meeting - Monday, 16 May 1994, 7:30 p.m. at the Around the Clock restaurant, 3012 Rapids Drive, Racine. Further details will be available during our weekly net, 9 p.m. on Thursday evenings, 147.270 MHz (the Lakeshore Repeater).

Olie Fox, K9AKG, had a fall in his home and suffered a nasty cut to the back of his head. At last report, Olie is trying to get his equilibrium back so he can return home. Bob (W0WLN) and I stopped for a short visit on the 15th of April. Olie, at the time of this writing, is in the Racine Community Care Center, 1600 Ohio Street, Racine, WI 53405, Room 99.

We also welcomed back our Snow Birds, Art Vahovius, W9VSO and his lovely wife "Squeaks".

73, Larry McCalvy, WA9JMO

Mancorad Radio Club

Eric Rugowski, WD9IAB, Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204



MEETING MINUTES APRIL 13, 1994

Meeting opened at 7:30 p.m.

The April meeting was started by showing the remainder of the packet radio video tape introduction that was partially shown at the March club meeting. Janice, N9IQZ, then read the treasurer's report. She also informed the club about the cost of holding this year's hamfest. The club voted to approve the treasurer's report as read. Club president Steve, N9PBL, also informed the club that the new Form 610s the club ordered, had arrived for club members to use. The March minutes were approved as printed in the March issue of *Smoke Signals*.

Mary, KB9GOY, provided to the club, copies of procedures for running the Sunday morning nets (as net control). This will be very useful for club members who would like to be net control, but aren't sure how to run the net. Hopefully this information will encourage them to give net controlling a try. Thanks for the info, Mary!

OLD BUSINESS

Janice, N9IQZ, informed the club about the publicity for the hamfest. Announcements will be made on cable, through the local newspapers, local radio stations, flyers at area hamfests (and Amateur Electronics), and in the ham radio publications. Both Janice, and Red, N9GHE, stressed that some volunteers are needed to help out at the hamfest. Members that are interested in helping should contact Janice, N9IQZ; Ron, WS9X, or other club members involved in running the hamfest. Setup will be on Friday night, May 6. Ron, WS9X, informed the club that the sales of table space for the hamfest is going well. He also showed the club the two meter HT that will be raffled at the hamfest, and the first door prize (a Comet two meter base station antenna). Ron also mentioned that other door prizes (such as books, magazine subscriptions, etc.) will be given away. Thanks, Janice and Ron, for your hamfest work! Others such as Clancey, KB9ECW, offered to donate items to the hamfest.

An informal meeting will be held for all hamfest committee members and volunteers on Monday May 1 at 7 p.m. The purpose will be to finalize any last minute plans and details for the hamfest. It will be held at the club station in the Manitowoc city hall.

NEW BUSINESS

Club President Steve, N9PBL, handed out copies of proposed changes to the club's constitution to the meeting attendees. All proposed constitution changes were highlighted on the copies distributed. Each section of the club constitution, and any proposed changes to it, was debated and discussed by the club members. All constitutional changes are just proposals at the present time. More discussion and possible revision will occur in the following months.

Club secretary Eric, WD9IAB, informed the club that the club would be operating a special event station from the World War II submarine U.S.S. Cobia. All members interested in operating for this special event, are asked to contact Eric, WD9IAB. The event is tentatively scheduled for the last weekend of August or the weekend after Labor Day.


Chuck, W9BZU, motioned for the meeting to adjourn. Meeting adjourned at 9:05 p.m.

73, Eric Rugowski, WD9IAB

April 13, 1994 Meeting Attendees


Steve	N9PBL
Janice	N9IQZ
Ron	WS9X
Willie	W9TQV
Oran	N9VIA
Craig	N9VIC
Dick	N9QFY
Bill	K9DUX
Red	N9GHE
Dan	N9FVZ
Gene	WB9DQD
Larry	K9LWI
Bill O'Connor (guest)	
Glenn	KF9VB

Continued on page 13



Washington County Amateur Radio Club

David Parkinson, KA9RNU,
Secretary/Treasurer
708 Robin Street
West Bend, WI 53095



MEETING MINUTES

The April 14th meeting of the Washington County Amateur Radio Club was called to order at 7:34 p.m. by our president, Mike, N9NBN. The minutes were read by Dave, KA9RNU. A motion was made by Sherm, W9NGT, and seconded by Don, K9GR. The minutes were then approved as read.

We had 20 members present and 1 guest.

The treasurer's report was read by Dave, KA9RNU. Don, K9GR, motioned the approval of the treasurer's report, Gary, W9XT, seconded, and sustained by the membership.

Walt, N9LLS, reported on the progress of preparing for Field Day. He reported we needed one more HF rig and one more deep-cycled battery. Mike, N9NBN, mentioned a sign up sheet for

Field Day volunteers will be circulated at May's club meeting.

Mike, N9NBN, stated the need of another deep-cycled battery would be beneficial not only for our Field Day activities, but also for a battery backup for our repeater. Discussion was made by Sherm, W9NGT, and Gary, W9XT, maintaining the batteries by charging and discharging them periodically by obtaining automatic circuits or use function cards which can be installed into the repeater. After discussion, Don, K9GR, made a motion to purchase a deep-cycled battery and Paul, N9KIK, seconded it. It was approved by the membership.

Don, K9GR, reported on the progress of the repeater committee. A repeater survey was handed out to determine the general financial consensus of the club's members. K9GR stated it will run easily to \$500 to \$1000 to cover the equipment we

don't have presently. This doesn't include the cost and monthly bills of electricity, telephone, and the construction of the tower at the proposed site. K9GR encouraged the members to hand in the survey before the repeater committee meets again on April 21st.

Tom, N9LZW, asked interested members the opportunity to purchase club jackets. He also spoke about Tornado Awareness Week and how we as ARES members should "spot" at our homes, because the police and fire department do go out to strategic locations to observe the weather and discouraged us going out in severe weather with our cars. He also reminded us any size hail is reportable.

Mike, N9NBN, reminded members May's meeting will be the homebrew project contest. A show of hands was requested as to how many members were participating. A discussion was made on what prizes would be given. Mike added that the prize winners and participants would be featured and photographed in the *Smoke Signals*. A motion was made by Don, K9GR, for 1) a Novice class and 2) a General or higher class winning the best project would win a free membership and a year's subscription of the *Badger State Smoke Signals*. It was seconded by Gary, W9XT, and the motion was carried.

An announcement of a "General licence" class will commence on Thursday

April 21st. Bob, AA9EF, will instruct.

Larry, WB9BVB, announced pizza night April 16th at 5:30 p.m. at Slinger Inn. He also handed in the May's schedules for Saturday breakfasts.

Mike, N9NBN, announced at our next month's meeting, besides the contest, we will have Sherm, W9NGT, instructing us on "message handling".

Don, K9GR, suggested if any member have some old ham equipment to sell at swapfests, they should consider to donate the proceeds to the club. Mike, N9NBN, asked if any members had any equipment. Larry, WB9BVB, suggested the South Milwaukee Radio Club's swapfest held on July 9th would give us more time to prepare.

A motion to close the meeting was given by Sherm, W9NGT, seconded by Larry, WB9BVB, and it was sustained by the membership.

The program was given by Jacki Wicklund from the Red Cross in which she explained her duties and how we as ham operators can assist in times of emergency.

Saturday Breakfast Schedule - 10 a.m.

May 7th	Corfu Restaurant, Richfield
May 14th	Slinger Inn, Slinger
May 21st	Round the Clock, West Bend
May 28th	Jimmy's, Jackson

Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749

Greetings NWRC members and guests.

The last meeting of NWRC was held on March 22 at the Peppermill Restaurant in Menomonie. Officers Cory, AA9GB and Steve, KA9OMC, present.

BUSINESS

Balance at the time of meeting was \$408.31. W0LUY, Ernie, mentioned that there were some members that had not received membership cards. I (KA9OMC) explained that these members would be receiving cards when the updated roster is mailed out.

Dave Kraft indicated that there had been some mixup on patches that were ordered for a local club he is a member of, and that we may wish to include this in our decision to order from "Creative Ideas".

Jim Lay, NX9F, offered information on the "SkyWarn" training and VEC exams in Menomonie March 26. Jim also mentioned that the new 610 form is out and must be used as of March 1.

N9RSU, Leroy, announced that the Eau Claire Club would be conducting a

fox hunt exercise.

The group discussed the meeting schedule for NWRC and decided to follow a routine meeting January through April and again, September through November. This will allow for a summer recess, but will provide for some activities like Field Day and a picnic. Field Day options were entertained. I (KA9OMC) offered a one-day approach, combining a picnic at a county or city park. This would allow for a saving of about \$80 on the usual chemical toilet.

The club extends its get well wishes to Rich, N9MEH, who had a short hospital stay. Rich has mailed the club some "SkyWarn" decals that will be demonstrated at the upcoming meeting.

Since the meeting, NWRC, has received notice from *Smoke Signals* that, effective Jan. 1, 1995, there will be an increase in subscription rates to clubs that offer BSSS.

Have a great spring and summer and stay tuned to our article here each month for updates on member activities.

NWRC Sec/Treas. Steve Hart, KA9OMC

Washington Gets Law on Towers and Antennas

Washington State has new legislation to protect amateurs. On March 23, the governor signed Senate Bill 5697, a bill that will, according to its backers, limit the ability of municipalities to enact antenna and tower regulations, by pointing out the federal pre-emptions of the FCC's PRB-1. Credited with promoting this legislation were Dr. Ralph Shumaker, WX7T, and members of the Mike and Key Club of Seattle, according to ARRL State Government Liaison Frank Price, KD7AC.

Price said that members of the Senate were sympathetic to the bill, which is worded in general terms, but they also realized that municipalities have an obligation to consider issues concerning health, safety, and other factors concerning general welfare. "Tests of this provision will come, I am sure," Price said, "in the near future."

The bill reads:

"No [city or town, code city, or county] shall enact or enforce an ordinance or regulation that fails to conform to the limited pre-emption entitled "Amateur Radio Preemption, 101 FCC 2nd 952 (1985)" issued by the federal communications commission [sic]. An ordinance or regulation adopted by a city or town with respect to amateur radio antennas shall conform to the limited federal preemption, that states local regulations that involve placement, screening, or height of antennas based on health, safety, aesthetic considerations must be crafted to reasonably accommodate amateur communications, and to represent the local authority's minimal practicable regulation to accomplish the local authority's legitimate purpose."

The bill's backers told the senators, as background, that "amateur radio operators seeking to erect antenna and support systems are often frustrated or delayed by restrictive local zoning ordinances. While local government actions have been partially preempted by the Federal Communications Commission, amateur radio operators seek to avoid time, expense, and delay challenging local actions that fail to conform to FCC policy."

- The ARRL Letter, April 13, 1994

Sheboygan County Amateur Radio Club

Gregg Meschler, N9PZV, Secretary

2309 North 34th Street • Sheboygan, WI 53083

The April 12, 1994 meeting of the Sheboygan County Amateur Radio Club was called to order by Steve, KF9KZ.

ANNOUNCEMENTS

Board elections will be held at the May 10 meeting.

A computer fair will be held at Mead Public Library on April 23. Al, NF9R, will have a table set up, and welcomes anyone interested in participating.

COMMITTEE REPORTS

Volunteers were solicited for 2M net control. The net is held every Monday evening at 7:00 p.m. local time on 147.060 MHz (+107.2 PL).

Field Day Planning: Chris, N9VKC, needs volunteers and support equipment such as Novice station and generators, etc.

The Education Committee announced that class for Novice rating start April 13. They will follow every Wednesday for the next several weeks.

OLD BUSINESS

The brat fry at Woodlake Mall is

scheduled for August 27.

Future meeting Programs:

May - Field day planning

June - Field Day final planning, July meeting will be held at Field Day, June 25th, 9:00 a.m. at Taylor Park.

NEW BUSINESS

The following have been nominated for club office:

Vice Pres. - Chris, N9VKC

Secretary - Mike, KF9SB

Treasurer - Al, NF9R

Board at large - Steve, N9TRK

Novice Rep. - Eric, KB9IBT

If there are any additional nominations, contact Steve, KF9KZ.

The May meeting program will be on weather tracking software, presented by Al, NF9R.

The meeting adjourned at 6:30 p.m. to allow an evening fox hunt. Penny, N9TCF; Chris, N9TCJ; and Mary, N9TCK hid the fox. Joe, N9REH, uncovered the fox after traveling the least mileage. Congratulations, Joe.

Submitted by:
Gregg Meschler, N9PZV

Mancorad Radio Club

Continued from page 12

Paul	N9QFX
Julie	N9PZX
James	KB9GOX
Len	N9QFO
Gene	N9UGA
Ken	WB9OBX
Bob	KB9INK
Charlie	W9GXO
Chuck	W9BZU
Clancy	KB9ECW
Vic	WB9VYO
John	NZ9Z
Dan	KA9EAZ
Howard	KE9YD
Eric	WD9IAB



SSB
SELL SWAP BUY

OUR WANT ADS GET RESULTS

FOR SALE: ATR 34 Cushcraft 4-element 3-band beam for 10, 15, and 20 meters. \$125.00.

ARRL "Vanity" Call Sign Proposal Developed

Continued from front page

The League will recommend that 1 X 1 call signs, such as K2A, be made available for limited duration special events of national significance.

A copy of the committee's complete report is available for an SASE from the Regulatory Information Branch at League Headquarters (225 Main Street, Newington, CT 06111), and on electronic services including CompuServe, America On Line, Prodigy, and the ARRL Bulletin Board. It is also available by e-mail from infoarrrl.org, or by FTP from oak.oakland.edu. The file name is "93-305.rpt."

- ARRL Bulletin ARLB031, 4/11/94

Steve Hart, KA9OMC, (715) 665-2374.

FOR SALE: Dentron MLA-2500 linear amplifier. Covers 10 through 160 meters. In A-1 condition. \$525.00. Ed Van Sickle, N09X, Route 2, Whitehall, WI 54773.



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

Ted Heilmann, N9LLT
921 8th Avenue • Grafton, WI 53024

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

LIST OF WI NOAA WX STATIONS

Here is a list of NOAA Weather radio stations in the state of WI. Most stations cover a 40 mile area.

Duluth
162.550 KIG-64
Operated by the Duluth Weather office
Counties covered:, Bayfield, Douglas

Park Falls
162.550 WXM-91
Operated by Duluth Weather Office
Counties Covered:, Ashland, Iron, Lincoln, Oneida, Price, Rusk, Sawyer, Taylor, Vilas

Menomonie
162.400 WXJ-88
Operated by the Minneapolis Weather Office
Counties covered:, Barron, Buffalo, Chippewa, Dunn, Eau Claire, Pepin, Pierce, Polk, Rusk, St. Croix

Wausau
162.475 WXJ-89
Operated by Green Bay Weather Office
Counties covered:, Clark, Langlade, Lincoln, Marathon, Portage, Shawano, Taylor, Waupaca, Wood

Green Bay
162.550 KIG-65
Operated by Green Bay Weather Office
Counties Covered:, Brown, Calumet, Door, Kewaunee, Manitowoc, Oconto, Outagamie, Shawano

Sister Bay
162.425 WXN-69
Operated by Green Bay Weather Office
Counties Covered:, Door, Marinette

La Crosse
162.550 WXJ-86
Operated by La Crosse Weather Office
Counties Covered:, Buffalo, Crawford, Jackson, La Crosse, Monroe, Trempealeau, Vernon

Dubuque
162.400 WXL-64
Operated by Dubuque Weather Office
Counties covered:, Grant, Iowa, La Fayette

Madison
162.550 WXJ-87
Operated by the Madison Weather Office
Counties Covered:, Columbia, Dane, Dodge, Green, Iowa, Jefferson, Lafayette, Rock, Sauk

Milwaukee
162.400 KEC-60
Operated by the Milwaukee Weather Office
Counties Covered:
Dodge, Jefferson, Kenosha, Milwaukee, Ozaukee, Racine, Rock, Walworth, Washington, Waukesha

Chicago
162.550 KWO-39
Operated by the Chicago Weather Office
Counties Covered:, Kenosha, Racine

"PACIFIC POWERHOUSE" KATASHI NOSE, KH6IJ, SK

On April 7, 79-year-old Katashi Nose, KH6IJ, of Honolulu, Hawaii--one of Amateur Radio's best-liked operators--died from a severe stroke.

Nose, a famous contest op and DXer with a string of ham radio firsts and accomplishments, was also famous for patiently working and tutor-

ing Novices on 15 and 10 meters.

KH6IJ, licensed in 1932 as K6CGK, was the first KH6 ham to qualify for the League's DX Century Club and Worked All States Awards. In 1952, he received his Amateur Extra Class ticket, the fifth US ham to do so.

For 56 years, Katashi wrote a newspaper column on ham radio for his local newspaper. He also wrote many articles for QST and other ham magazines.

Nose earned a bachelor's degree from the University of Hawaii in 1937, and a masters degree from Harvard in 1960. He is survived by his wife Matsuyo, daughters Elizabeth Nose and Frances McKenney, son Joseph, and a son-in-law, Michael McKenney.

Funeral services were scheduled for Wednesday, April 13.

from Special Bulletin 15 ARLX015
From ARRL Headquarters



SSB

SELL SWAP BUY

OUR WANT ADS GET RESULTS

FOR SALE: By the Taylor County area ARC, Medford, WI. Most of a VHF Engineering brand 2-meter repeater system, originally purchased in 1979. Included are the original power supply, appx. 10-watt transmitter and controller, all mounted on a rack-mountable chassis. This hardware was functioning at the time it was removed from service. Also included are a Spectrum Communication courtesy tone annunciator circuit board and a 22 wide x 18 deep x 44 1/2 inch high enclosed repeater cabinet. All that is needed to make this an operational repeater are a receiver and a duplexer and antenna, or two separate antennas. If you have any questions about the equipment or would like to arrange to see it, contact Bob Braun, KB9BLV, at (715) 654-5552(home) or (715) 654-5551(business).

FOR SALE: Three items for sale, never used, have been in storage. With original packing and manuals. (1) Clipperton KW amp Dentron. (2) MFJ 3KW antenna tuner. (3) Wilson 4-band trap vertical 40-10 with ground plane kit. I would consider the best offer. Bill McNally, W8DXR/9, 1511 Lynn Ave., Altoona, WI 54720. (715) 831-6225.

FOR SALE: Colorful United States Stamps. 100 all different. \$1.00 postpaid. Richard Regent, K9GDF, 5003 South 26th St., Milwaukee, WI 53221.

THE TEST POINT (continued from page 3)

MAY 14, 1994 - EXAM DAY

This is to inform everyone that Saturday, May 14 is National Exam Day in Amateur Radio. In recognition of this, there will be an exam session in Merrill. We will be testing all classes of license Novice through Extra. Registration will be at 8:30 A.M. and testing will be at 9:00 A.M. at the Merrill Senior High School in the Ag Room. Please bring 2 forms of identification, your original license and CSCE's, and copies of all. You WILL NOT BE TESTED WITHOUT THEM. NO EXCEPTIONS!!!!!! Using the Third Street entrance behind the High School, the Ag Room will be the first door on your right. Walk-ins will be accepted. Anyone with questions can contact me, Sherry, AA9CB, or Mike, N9LIF, at

715-539-2000. Talk-in will be on 146.97.

KAUKAUNA, WI - SWAPFEST
MANITOWOC, WI, LAKESHORE HAMFEST
RACINE, WI - BIG BOY TOY SHOW
RHINELANDER, WI - NWARC SWAPFEST
STEVENS POINT, WI - CWRA SWAPFEST
WAUKESHA, WI - KMRA SWAPFEST
WAUKESHA, WI - MIDWINTER SWAPFEST
EAU CLAIRE, WI - ECARC HAMFEST
SOUTH MILWAUKEE, WI - SMARC HAMFEST
CEDARBURG, WI - ORC HAMFEST
ROCKFORD, IL - RARC HAMFEST

See the Swapfest column for additional information and contact persons.

GREAT RIVER AMATEUR RADIO CLUB DUBUQUE, IOWA - ARRL/VEC

Amateur examinations will be held on May 28, Aug, 20 and Nov, 19 in 1994.

The Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact Carl Clark, NOKAX, 145 Delicia Drive, Dubuque, IA 52001. Or call Carl at 319-557-9149. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

Contact: Arthur A. Evans, KA9KLZ, 213 N Jefferson St., Cuba City, WI 53807-1558, (608) 744-2704

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, (815) 877-6768.

The following information received from ARRL Headquarters VEC.

WISCONSIN

Marinette, 906-863-3477, Ed Engleman KG8CX
Racine, 414-658-8390, William Firchow
Sturgeon Bay, 414-743-3034, Carol Larsen, KA9HFA
Tomahawk, 715-282-6490, Greg Garner

Out of State Exams

Information Provided
by the ARRL/VEC



EASTERN IOWA

05/14/94, Clinton
06/11/94, Clinton
09/10/94, Clinton
12/10/94, Clinton
319-242-9486, Roger Gorzney
05/15/94, Cresco, 319-547-5329, Jim Murphy
05/28/94, Dubuque, 319-557-9149, Carl E Clark
08/20/94, Dubuque, 319-557-9149, Carl E Clark
11/19/94, Dubuque, 319-557-9149, Carl E Clark

NORTHERN ILLINOIS

05/12/94, Antioch
06/09/94, Antioch
07/14/94, Antioch
08/11/94, Antioch
09/08/94, Antioch
10/13/94, Antioch
11/10/94, Antioch
12/08/94, Antioch
708-395-0999, Anthony Viverito
05/28/94, Chicago
06/25/94, Chicago
07/23/94, Chicago

08/27/94, Chicago
 09/24/94, Chicago
 10/22/94, Chicago
 11/26/94, Chicago
 12/24/94, Chicago
 312-233-0605, Harold Pritchard Jr

05/11/94, Chicago
 06/08/94, Chicago
 09/14/94, Chicago
 10/12/94, Chicago
 11/09/94, Chicago
 312-465-0981, Michael Leibovitz
 05/14/94, Dixon
 815-284-6380, Charles W Randall
 05/09/94, Hanover Park
 05/14/94, Hanover Park
 708-483-8523, William Rudd
 05/14/94, Mt Carroll
 10/29/94, Mt Carroll
 815-777-1002, Herbert Scarpelli
 05/14/94, Oak Forest
 06/11/94, Oak Forest
 07/09/94, Oak Forest
 08/13/94, Oak Forest
 09/10/94, Oak Forest
 10/08/94, Oak Forest
 11/12/94, Oak Forest
 12/10/94, Oak Forest
 708-448-0580, David Brasil, NF9N
 05/26/94, Zion
 708-265-0710, Michael T McGue

UPPER MICHIGAN

06/04/94, Harvey
 09/10/94, Harvey
 12/03/94, Harvey
 906-249-3837, Richard Schwenke
 07/09/94, Houghton
 10/08/94, Houghton
 906-337-2542, George R Thurner

MINNESOTA

05/01/94, Bemidji
 218-243-2002, Gurnee Bridgman
 05/14/94, Bloomington
 06/11/94, Bloomington
 09/10/94, Bloomington
 10/08/94, Bloomington
 11/12/94, Bloomington
 12/10/94, Bloomington
 612-888-6187, Jerry Jensen
 05/21/94, Cottage Grove
 06/18/94, Cottage Grove
 08/20/94, Cottage Grove
 09/17/94, Cottage Grove
 10/15/94, Cottage Grove
 11/19/94, Cottage Grove
 12/17/94, Cottage Grove
 612-459-8678, David Harrell
 05/21/94, Golden Valley
 612-537-2649, Thomas W Cunningham
 05/11/94, Interntl Falls
 218-276-2357, Thomas C Manders
 06/11/94, N Branch
 08/13/94, N Branch
 10/08/94, N Branch
 12/10/94, N Branch
 612-444-9814, Bradley Fern
 05/12/94, Roseville
 612-635-7725, Edward Stafford
 10/30/94, St Paul
 05/07/94, St Paul
 06/04/94, St Paul
 08/06/94, St Paul
 09/03/94, St Paul
 10/01/94, St Paul
 12/03/94, St Paul
 612-222-7253, John Bellows
 06/18/94, Willmar
 612-243-4326, Allen A Hertzberg

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN at the address shown on page 2.

Let a duck be your alarm clock, and wake at the quack of dawn.

Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The April 19, 1994 meeting of the Yellow Thunder Amateur Radio Club, Inc., was called to order at 7:36 p.m. by Bob Sauvan, WT9Q.

The minutes of the last meeting, as published in the BSSS, were accepted. Jim Decker, WB9UQT, gave the treasurer's report.

OLD BUSINESS: Bill Klinkner, N9KXX, indi-

cated that he had made arrangements to tutor a 13 year old student who was interested in taking her Amateur radio license exam. There was no follow-up to the discussion at the February meeting regarding teaching a class this year. Tom Harrison, N9PQJ, attended the severe weather identification training in Reedsburg April 6th.

NEW BUSINESS: Jim Paul, N9LKY, Steve Schwegler, WB9RNL, Bill Hommel, Jim Decker, WB9UQT, Art Kleefisch, W9WSS and Jim Romelfanger, K9ZZ, participated at the Youth Opportunity Day event held at the Baraboo Civic Center on April 16th. A similar event will be held at Spring Hill School in Wisconsin Dells on Saturday, April 30th.

Other upcoming events that members were asked to participate in were Circus Heritage Days, May 14th at the Baraboo fairgrounds and Field Day, June 25th and 26th.

Following the business meeting, Bill Klinkner gave a presentation on antennas with an emphasis on antennas that can be used at a fox hunt. The next club fox hunt will be held at the May meeting. Bill asked for members to volunteer to help him prepare for the hunt. If you are

interested in helping Bill, please call him at 643-6453 or 643-6908.

The next meeting will be held Wednesday, May 18, 1994 R 7:00 p.m. at the Baraboo Civic Center. Please note that this meeting is start-

ing one half hour earlier than usual as it will be a fox hunt followed by a brief business meeting.

Respectfully submitted,
 Raymond J. Matlosz, N9MLZ, Secretary

The following members and guests were present:

Robert Sauvan	WT9Q	Sauk City
Pete Sweeney	WD9JIB	Reedsburg
George Gabaay	N9QOR	New Lisbon
Steve Schulze	N9UDO	Baraboo
Jim Paul	N9LKY	Merrimac
Art Kleefisch	W9WSS	Baraboo
Jim Decker	WB9UQT	Baraboo
Harry Mayland	K9FFT	Baraboo
Thomas Harrison	N9PQJ	Reedsburg
Duane Grotophorst	WA9HKL	Loganville
Anne Klinkner	N9PQL	Sauk City
Bill Klinkner	N9KXX	Sauk City
Raymond Matlosz	N9MLZ	Reedsburg

For Wisconsin as a whole, the average lake freeze date comes in late November, and the typical time of thaw comes in early April.



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SPELL-CHECKER by Carlton Smith, KA4VPM

I have a spell-checker
 It came with my PC.
 It planely Marques four my revue
 Mistakes I cannot sea.

I've run this poem threw it,
 I'm sure your please to no.
 it's letter perfect in it's weigh;
 My checker tolled me sew.

from the May '93 Bluegrass ARS "Qual/Ham"
 reprint from October 1993 ARNS Bulletin and
 WARAC "Hamtrix".

Some items about Wisconsin outdoors.

At one million acres, Wisconsin's Marathon County has more space than the entire state of Rhode Island.

Jimmy the Groundhog is correct in his predictions of spring's arrival 80% of the time, That's the Sun Prairie groundhog, of course, not the Pennsylvania impostor.

How Keen is an owl's hearing? Very keen. It can even hear a grouse under the snow in its burrow -- while the owl's in flight.

Whitetail deer herds are matriarchal and the oldest doe is the leader. Whitetails rarely sleep in the same bed more than once.

Why do people get lost outdoors? The number one reason is that don't let anyone know where they are going.

Pheasants can reach flight speeds of 45 mph, and doves and ruffed grouse can hit 60. An when a grouse is in its snow burrow, it's 30 to 40 degrees warmer than it would be on top of the snow.

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Robert J. Gommans, N9HAD, Madison
Karen M. Schneider, N9EVA, Appleton

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(414) 762-3235 Extension 58
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November 6, 1994

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HAMFEST INFO:

Dan Vanevenhoven, N9LV8
2410 E. Newberry Ct.
Appleton, WI 54915
414-739-5101

EXAM INFO:
Larry Siebers, KD9IA
414-788-3823

Lakeshore Hamfest

& Computer Swapfest

Manitowoc County Expo

Intersection of Hwys 42-151 and I-43 on City Highway R

Saturday, May 7, 1994

For more information, call:

Ron, WS9X: 414-793-4733 (Nights)
Red, N9GHE: 414-684-9097

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Radio Club, P.O. Box 3508, Peoria, IL 61612-3508 or telephone answering machine 309/695-6698.

16th Annual

CWRA SWAPFEST

Sunday, June 12, 1994 • 8 a.m. to 2 p.m.

UNIVERSITY CENTER, U.W. STEVENS POINT

Info: Art Wysocki, N9BCA 715-344-2984
3356 April Lane Stevens Point, WI 54481

EAU CLAIRE

Amateur Radio Club

SWAPFEST

July 23, 1994

Chippewa Falls Fairgrounds

Carol Ceraso Liz Searing
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P.O. Box 1867 • Eau Claire, WI 54701

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Ozaukee Radio Club

16TH ANNUAL RADIO AND COMPUTER SWAPFEST

Saturday, May 7, 1994

8 a.m. to 1 p.m. • Circle B Recreation Center

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Exams by Badger Examiners, c/o Gary Sharbuno,

5119 W. Willow Rd., Brown Deer, WI 53223

Swapfest sponsored by Ozaukee Radio Club

W70 N1018 Hampton Court • Cedarburg, WI 53012

Kettle Moraine Radio Amateurs

SWAPFEST

Sunday, October 23, 1994

Waukesha County Expo Center

Info: KMRA Swapfest P.O. Box 411
Waukesha, WI 53187-0411

Northern Wisconsin Radio Club

AUCTION

February 28, 1995 • 7:00 p.m.

American Legion Post 53 • 634 Water Street

Eau Claire, WI

CONTACT:

Steve Hart, KA9OMC
Route 1 Box 54

715-665-2374
Knapp, WI 54749

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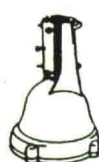
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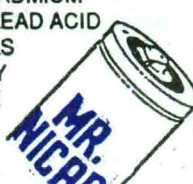
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